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"FINAL BASELINE RISK ASSESSMENT FOR OPERABLE UNIT 2 (OU 2) SITE 5 AND SITE 17 VOLUME 1 OF 2 CHAPTERS 1 THROUGH 6, REFERENCES AND APPENDIX A NAS CECIL FIELD FL"

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BASELINE RISK ASSESSMENT
OPERABLE UNIT 2

VOLUME I: CHAPTERS 1 THROUGH 6, REFERENCES, AND APPENDIX A

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

UNIT IDENTIFICATION CODE (UIC): N60200
CONTRACT NO. N62467-89-D-0317

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA
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BASELINE RISK ASSESSMENT
OPERABLE UNIT 2

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code (UIC): N60200

Contract No. N62467-89-D-0317

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FOREWORD

The Department of the Navy developed the Installation Restoration (IR) program to locate, identify, and remediate environmental contamination from the past disposal of hazardous materials at Navy and Marine Corps installations. The Navy IR program follows the Department of Defense Environmental Restoration Program mandated by the Superfund Amendments and Reauthorization Act of 1986 to address waste sites that may pose a threat to human health or the environment.

The IR program consists of Preliminary Assessment and Site Inspection, Remedial Investigation and Feasibility Study (RI/FS), and Remedial Design and Remedial Action at sites where chemicals were allegedly disposed. The Preliminary Assessment and Site Inspection identifies the presence of pollutants. The RI/FS analyzes the nature and extent of contamination and determines the optimum remedial solution. The Remedial Design and Remedial Action complete the implementation of the solution.

Previous investigations have determined that Naval Air Station (NAS) Cecil Field has 18 waste sites that may pose a threat to human health or the environment. Therefore, an RI/FS will be performed to address the extent, magnitude, and impact of possible contamination at these waste sites.

The Baseline Risk Assessment report for Operable Unit 2 provides the results of the assessment of potential human health and ecological risks associated with the contamination identified at Sites 5 and 17.

Questions regarding this report should be addressed to the Commanding Officer, Code 00B, P.O. Box 111, NAS Cecil Field, Jacksonville, Florida 32215-0111.

EXECUTIVE SUMMARY

A Baseline Risk Assessment (BRA) was completed for two disposal pits (Sites 5 and 17) composing Operable Unit (OU) 2 at Naval Air Station (NAS) Cecil Field near Jacksonville, Florida. The BRA is based on information collected during the Remedial Investigation (RI). The BRA results are used to develop remedial response objectives in the Feasibility Study (FS). The BRA, RI, and FS are being completed as part of the Navy's Installation Restoration (IR) program. The objective of the IR program is to identify and evaluate past hazardous waste sites and control migration of hazardous contaminants from those sites.

Qualitative and quantitative evaluations of risks to human health and the environment were completed for exposures in surface soil, subsurface soil, sediment, surface water, and groundwater. Following is a summary of the human health and ecological risk associated with Sites 5 and 17.

Human Health Risks at Site 5. The calculated cancer risks and non-cancer hazards associated with surface soil, subsurface soil, sediment, and surface water are all within the acceptable range of U.S. Environmental Protection Agency (USEPA) guidance (10^{-4} to 10^{-6} for carcinogenic endpoints and less than unity for noncarcinogenic endpoints).

For domestic use of groundwater (ingestion of groundwater and inhalation of volatile organic compounds (VOCs) while showering) by an adult, the cancer risk was $3x10^{-4}$. This value exceeded the USEPA acceptable risk range (10^{-4} to 10^{-6}). The risk was due primarily to ingestion of beryllium and beta-hexachlorocyclohexane (HCH).

A hazard index (HI) of 10 was associated with domestic use of groundwater by an adult. This exceeds the USEPA acceptable non-cancer guidance value (HI=1). The major contributors to the HI are 4-methylphenol, acetone, antimony, chromium, and vanadium.

Ecological Risks at Site 5. Potential risks for ecological receptors were evaluated for ecological contaminants of potential concern (ECPCs) in surface soil, surface water, sediment, and groundwater.

Adverse effects to wildlife are not anticipated based on exposure to surface soil at Site 5.

With the exception of surface soil from station CF5-SS-4, no risks associated with exposure to surface soil were identified for terrestrial wildlife, soil invertebrates, or plants. At station CF5-SS-4, significant worm (*Eisenia foetida*) mortality and reduced lettuce (*Lactuca sativa*) seed germination were observed. These observations are at least partially due to elevated total recoverable petroleum hydrocarbons (TRPH) and polychlorinated biphenyl (PCB) levels in the surface soil.

Analyses of benthic macroinvertebrate sampling results indicate little impairment of the benthic community at the Site 5 tributary. However, evaluation of the sediment bioassay data suggest that certain organisms may be impacted by exposure to sediment. This response may be associated with elevated concentrations of Aroclor-1260, dichlorodiphenyl trichloroethane (DDT), or TRPH.

There were no risks identified for terrestrial and wetland wildlife resulting from exposures to ECPCs in surface water and sediment.

The risk characterization did not identify any risks for aquatic receptors associated with ECPCs in groundwater.

Human Health Risks at Site 17. The cancer and non-cancer risks associated with exposure to subsurface soil are all acceptable per USEPA guidance (10^{-4} to 10^{-6} for carcinogenic endpoints and less than unity for noncarcinogenic endpoints).

Cancer risks and non-cancer hazards resulting from exposure to groundwater exceeded the USEPA acceptable levels. The cancer risk associated with domestic use of groundwater was $2x10^{-3}$. The majority of this risk is due to methylene chloride.

The non-cancer hazard index (HI=20) for domestic use of groundwater also exceeded USEPA guidance. The major contributors to the HI are methylene chloride, 2,4-dimethylphenol, 2-methylphenol, and 4-methylphenol.

Ecological Risks at Site 17. Potential risks for ecological receptors were evaluated for surface soil, surface water, and sediment.

No risks associated with exposure to surface soil were identified for terrestrial wildlife, soil invertebrates, or plants. Although a slight reduction in lettuce seed germination was observed in two surface soil samples, no correlation with any ECPCs was observed in either sample. It is likely that a non-ECPC stressor is responsible for the observed adverse response.

No risks associated with exposure to sediment were identified for aquatic receptors in the wetlands. It is likely that the site poses no significant risks to wildlife receptors.

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
AIMD	Aircraft Intermediate Maintenance Department
AQUIRE	Aquatic Information Retrieval
ARARs	applicable or relevant and appropriate requirements
ATSDR	Agency for Toxic Substances and Disease Registry
AWQC	ambient water quality criteria
BAF	bioaccumulation factor
BCF	bioconcentration factor
bls	below land surface
BRA	Baseline Risk Assessment
BRAC	Base Realignment and Closure
BW	body weight
C	Celsius
CAG	Carcinogenic Assessment Group
CDI	chronic daily intake
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF	conversion factor
CLP	Contract Laboratory Program
CPCs	contaminants of potential concern
CR	contact rate
CRDL	contract required detection limit
CRQL	contract required quantitation limit
CSF	Cancer Slope Factor
°C	degrees Celsius
DERP	Defense Environmental Restoration Program
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DDT_R	the sum of 4,4'-DDT, 4,4'-DDD, 4,4'-DDE
DO	dissolved oxygen
ECPC	ecological contaminants of potential concern
EPA	Environmental Protection Agency
EPC	exposure point concentration
EPT	ephemeroptera-plecoptera-trichoptera
ER-L	Effects Range-Low
ER-M	Effects Range-Medium
ERA	Ecological Risk Assessment
FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
FGS	Florida Geological Survey
FNAI	Florida Natural Areas Inventory
HEAST	Health Effects Assessment Summary Tables
HHCPCS	human health contaminants of potential concern
HHRA	human health risk assessment

HI	Hazard Index
HQ	Hazard Quotient
IAS	Initial Assessment Study
IC	inhalation concentration
IR	Installation Restoration
IRIS	Integrated Risk Information System
kg	kilogram
LD_{50}	lethal dose (50)
LEL	Lowest Effect Level
LOEL	lowest observable effects level
MCLs	maximum contaminant levels
m^2	square meters
msl	mean sea level
mg	milligram
mg/cm^2	milligrams per square centimeter
mg/kg	milligrams per kilogram
$\mu g/d\ell$	micrograms per deciliter
$\mu g/kg$	micrograms per kilogram
$\mu g/\ell$	micrograms per liter
NAS	Naval Air Station
NFD	Naval Fuel Depot
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priority List
NRC	National Research Council
OLF	Outlying Landing Field
OME	Ontario Ministry of the Environment
OSWER	Office of Solid Waste and Emergency Response
OU	operable unit
PAHs	polynuclear aromatic hydrocarbons
PARCC	precision, accuracy, representativeness, completeness, and comparability
PDE	potential dietary exposure
QC	quality control
RBCs	Risk Based Concentration
RfC	reference concentration
RfD	reference dose
RGOs	remedial goal options
RI	Remedial Investigation
RI/FS	Remedial Investigation and Feasibility Study
RME	reasonable maximum exposure
RTVs	reference toxicity values

GLOSSARY (Continued)

SARA	Superfund Amendments and Reauthorization Act
SFF	site Foraging Frequency
SOUTHNAV FACENGCOM	Southern Division, Naval Facilities Engineering Command
SQC	sample quantitation criteria
SQG	sample quantitation guidelines
SSC	species of special concern
SVOCs	semivolatile organic compounds
TAL	Target Analyte List
TBVs	toxicity benchmark values
TCL	Target Compound List
TEFs	Toxic Equivalency Factors
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TRPH	total recoverable petroleum hydrocarbons
UCL	upper confidence limit
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UZH	upper water-bearing zone of the Hawthorn Group
VOCs	volatile organic compounds
WET	Wetland Evaluation Technique

1.0 INTRODUCTION

Under Contract No. N62467-89-D-0317, ABB Environmental Services, Inc. (ABB-ES), has been contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) to complete a Baseline Risk Assessment (BRA) as part of a Remedial Investigation and Feasibility Study (RI/FS) for Operable Unit (OU) 2 at Naval Air Station (NAS) Cecil Field in Jacksonville, Florida. In 1989, NAS Cecil Field was placed on the National Priority List (NPL) (i.e., Superfund). The Navy entered into a Federal Facility Agreement (FFA) with the U.S. Environmental Protection Agency (USEPA) and the Florida Department of Environmental Regulation (FDER, now the Florida Department of Environmental Protection [FDEP]) in 1990. The RI/FS is being completed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) of 1986, which established a series of programs for the cleanup of hazardous waste disposal and spill sites nationwide. One of those programs, the Defense Environmental Restoration Program (DERP), is codified in SARA Section 211 (10 USC 2701). The Navy's Installation Restoration (IR) program is a component of the DERP.

Waste sites located at NAS Cecil Field have been divided into eight OUs based on the types of wastes disposed or typical profiles of suspected contaminants (SOUTHNAVFACENGCOM, 1993). OU 2 is composed of two sites: Site 5, the Oil Disposal Area Northwest, and Site 17, the Oil and Sludge Disposal Pit Southwest. Separate human health and ecological risk assessments will be completed for each of the OUs as components of the respective RI/FS reports.

The goals of the RI/FS are to assess the extent, magnitude, and impact of confirmed contamination at waste disposal sites, to assess qualitatively and quantitatively the risks posed to human health and the environment, and to develop appropriate remedial alternatives for sites that are determined to pose a threat to human health and/or the environment. The BRA is required as part of the RI for hazardous waste sites under USEPA guidance (USEPA, 1988a). The risk assessment for OU 2 was completed according to current USEPA guidance for risk assessments at Superfund sites (USEPA, 1989a; 1989b; 1989c; 1991a; 1991b; 1991c; 1992a; 1992b; 1992c; 1992d) and USEPA Region IV guidance for Superfund risk assessments (USEPA, 1991d).

The remainder of the BRA is organized as summarized in the following paragraphs.

- **CHAPTER 2.0, HISTORY AND ENVIRONMENTAL SETTING**, establishes the site history of OU 2 along with the environmental setting of NAS Cecil Field and OU 2, and includes discussions of local topography, surface water and drainage, geology and hydrogeology, demographic information, and groundwater and land usage.

- **CHAPTER 3.0, OPERABLE UNIT 2 INVESTIGATION AND DATA EVALUATION METHODOLOGY**, includes a summary of the OU 2 field investigation and a discussion on the data evaluation methodology used for the human health and ecological risk assessments for OU 2.

Background and supporting documentation are presented in the following appendices.

Appendix A:	Validated Remedial Investigation/Baseline Remedial Assessment Data
Appendix R:	Precision, Accuracy, Representativeness, Comparability, Completeness Summary Report

- **CHAPTER 4.0, HUMAN HEALTH RISK ASSESSMENT**, includes the characterization of the risks associated with potential exposures to site-related contaminants detected at OU 2 for human health receptors. To determine if contaminants pose a potential risk to human receptors, five components for the human health evaluation are completed: (1) data evaluation and summarization, (2) identification of human health contaminants of potential concern (HHCPCs), (3) an exposure assessment covering both present and future uses of the site, (4) a toxicity assessment of HHCPCs, and (5) a risk characterization with an uncertainty analysis.

  Background and supporting documentation are presented in the following appendices.

Appendix B:	Region III Risk Based Concentrations
Appendix C:	Human Health Exposure Equations
Appendix D:	Inhalation of Particles from Soil Inhalation of Vapors While Showering Dermal Absorption from Water Dermal Absorption from Soil
Appendix E:	Human Health Toxicity Profiles
Appendix F:	Human Health Risk Assessment Spreadsheets
Appendix G:	Analysis of TRPH Clean-Up Levels Filtered Groundwater Results
Appendix S:	Comparison with Florida Criteria
Appendix T:	Human Health and Ecological Risk Associated with Site 17 Surface Water and Sediment

- **CHAPTER 5.0, ECOLOGICAL RESOURCES AND SITE-SPECIFIC FIELD STUDIES**, includes a description of the ecological setting at OU 2 and the results of field investigations completed to support the ecological assessment. Wetland and upland habitats are identified and characterized based on field observations. Aquatic habitats and receptors are characterized including fish species, physical parameters, and chemical parameters. Benthic macroinvertebrate community structure and function is measured and the results are discussed.

  Background and supporting documentation are presented in the following appendices.

Appendix H:	Ecological Receptors at NAS Cecil Field
Appendix I:	Results of Aquatic Sampling at Operable Unit 2

- **CHAPTER 6.0, ECOLOGICAL ASSESSMENT**, includes an assessment of potential adverse effects for ecological receptors associated with contamination emanating from OU 2. The ecological assessment includes a problem formulation, identification of ecological contaminants of potential

concern (ECPC), exposure assessment, ecological effects assessment, risk characterization, and uncertainty analyses.

Background and supporting documentation are presented in the following appendices.

Appendix J:	Protocols and Results of Toxicity Testing of Soil and Sediment
Appendix K:	Bioaccumulation, Bioconcentration, and Toxicity Data
Appendix L:	Model of Potential Exposures and Risks for Representative Wildlife Species to ECPCs in Surface Soil at Site 5
Appendix M:	Model of Potential Exposures and Risks for Representative Wildlife Species to ECPCs in Tributary Surface Water and Sediment at Site 5
Appendix N:	Model of Potential Exposures and Risks for Representative Wildlife Species to ECPCs in Wetland Surface Water and Sediment at Site 5
Appendix O:	Model for Prediction of Groundwater to Surface Water Transport and Dilution of ECPCs
Appendix P:	Model of Potential Exposures and Risks for Representative Wildlife Species to ECPCs in Surface Soil at Site 17
Appendix Q:	Regression Appendix
Appendix T:	Human Health and Ecological Risk Associated with Site 17 Surface Water and Sediment

At Site 17, bioremediation of the soil will occur for approximately a 2-year period. During bioremediation, there will be a water-filled pit and a dirt pile present at the site. A risk assessment for this site during the remediation process will be conducted and included as an addendum to the document. Subsurface soil samples collected in 1993 will be used to conduct this risk assessment. One scenario will be investigated in the risk assessment during remediation: the trespasser. The trespasser will be exposed to the soil from the dirt pile and surface water and sediment from the pit. All results will be included in the addendum.

2.0 HISTORY AND ENVIRONMENTAL SETTING

This chapter briefly discusses the history and setting of NAS Cecil Field and OU 2. For a more detailed discussion of these aspects of the site, see the RI for OU 2 (ABB-ES, 1994a).

The main facility of NAS Cecil Field is located in southwestern Duval County, Florida, and is within the Jacksonville, Florida, city limits (Figure 2-1). Land west and north of the base is characterized as rural and is predominantly forested. Cary State Forest is 5 miles to the northwest.

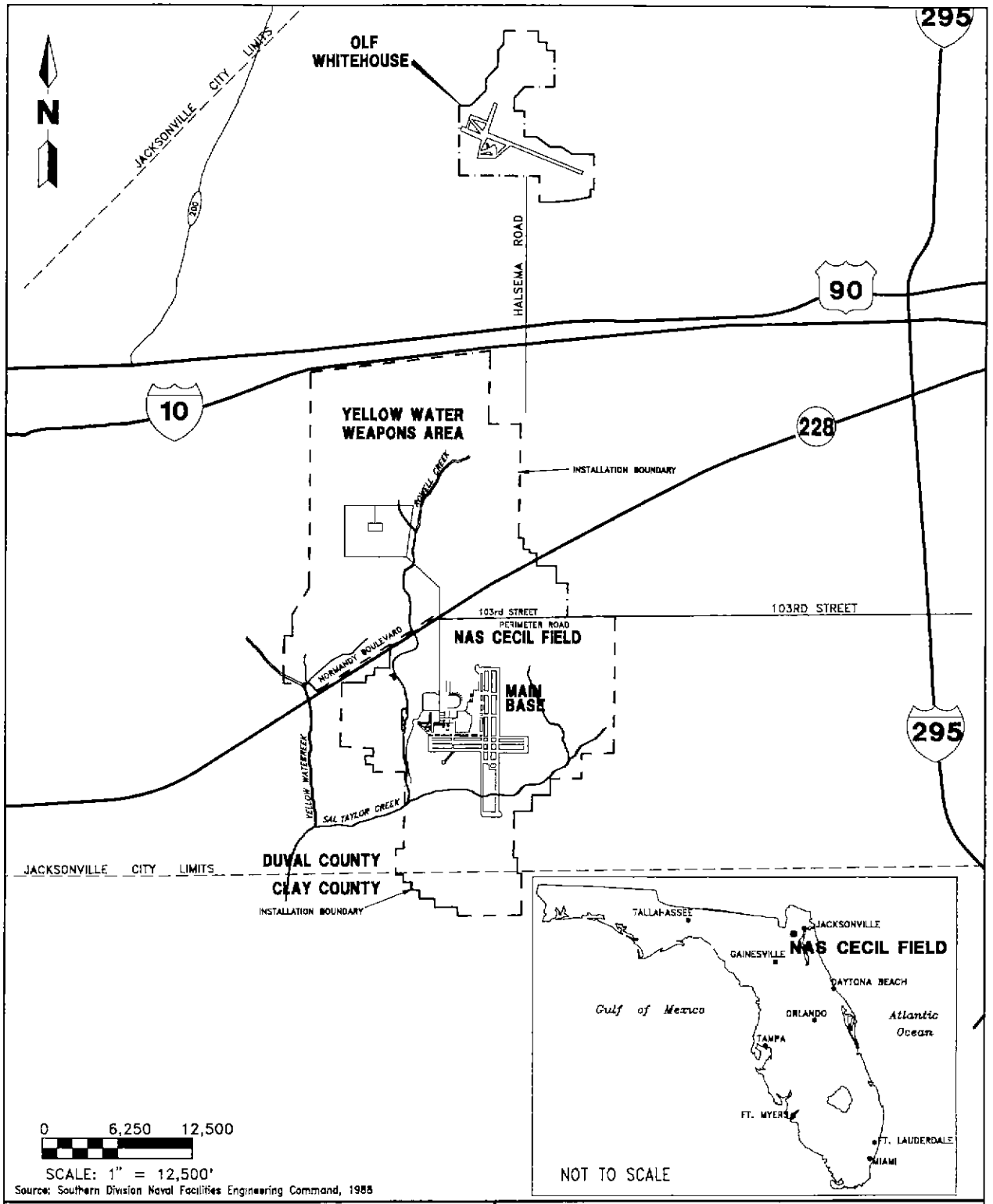
Since NAS Cecil Field was established in 1941, it has grown to more than 31,000 acres. Some of the tasks required to accomplish this mission include: (1) operation of fuel storage facilities, (2) provision of facilities and performance of organizational level aircraft maintenance, (3) provision of facilities and performance of intermediate level aircraft maintenance, (4) maintenance and operation of an engine repair facility and test cells for designated turbo-jet engines, and (5) provision of special weapons support. The base has been scheduled for closure in the 1990's as a part of Base Realignment and Closure (BRAC) so many of the operations are being scaled down in preparation for closure. The future use of the facility will be determined under BRAC.

2.1 OPERABLE UNIT 2 LOCATION AND HISTORY. OU 2 is comprised of two sites, 5 and 17, which are located in the western part of NAS Cecil Field, west of Rowell Creek (Figure 2-2). Both sites are located on the east side of Perimeter Road and separated by approximately 3,000 feet. Two other sites, 3 and 4, are located between Sites 5 and 17. Sites 3 and 4 contain different types of contaminants and will be evaluated in a future investigation.

2.1.1 Site 5 Site 5, Oil Disposal Area Northwest, is located in the western part of the facility adjacent to Perimeter Road (Figure 2-2). A tributary to Rowell Creek crosses the southern part of the site, forming the site's southern boundary. Perimeter Road forms the western site boundary. The wooded tracts and wetland form the site's northern and eastern boundaries, respectively. The disposal pit and adjacent areas were reported to be approximately 100 feet by 200 feet or approximately 0.5 acre in size. The area of investigation, including the original disposal pit and associated potential migration pathways, is approximately 7 acres (Figure 2-3).

The Initial Assessment Study (IAS) (Envirodyne Engineers, 1985) states that Site 5 was used in the 1950's for the disposal of an unknown type and quantity of waste fuel and oil. However, other wastes (possibly solvents, paints, and strippers) may have been mixed with the oil prior to disposal as was a common practice at the time. The location of the former pit, used for disposal of waste oil, is shown on Figure 2-3.

Two types of debris are present in the immediate vicinity of Site 5. Concrete rubble (generally less than 1 foot in diameter) has been spread on the ground northeast of the former pit area. Based on the appearance of the vegetation on and around this concrete rubble, the rubble has been there for several years. Four large metal objects are located to the east of Site 5. The precise function of these objects has not been identified. They are constructed of 1/2 to 3/4 inch



Source: Southern Division Naval Facilities Engineering Command, 1988

FIGURE 2-1
GENERAL LOCATION MAP

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

CECIL/CE-BRAC/WDW/11-1-94

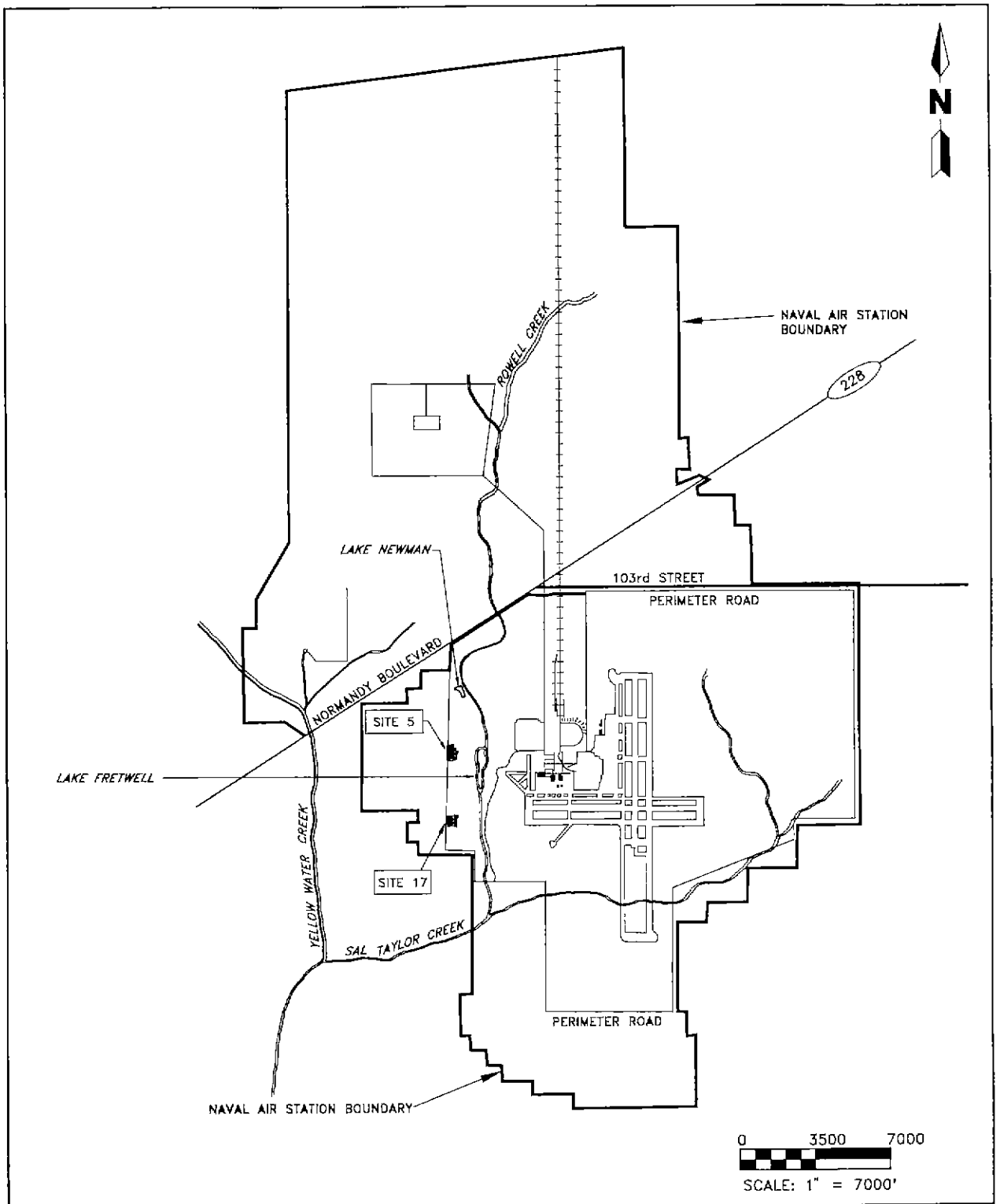


FIGURE 2-2
SITE LOCATION MAP

CECIL/FFSFACIL/NP-WDW/11-1-94

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

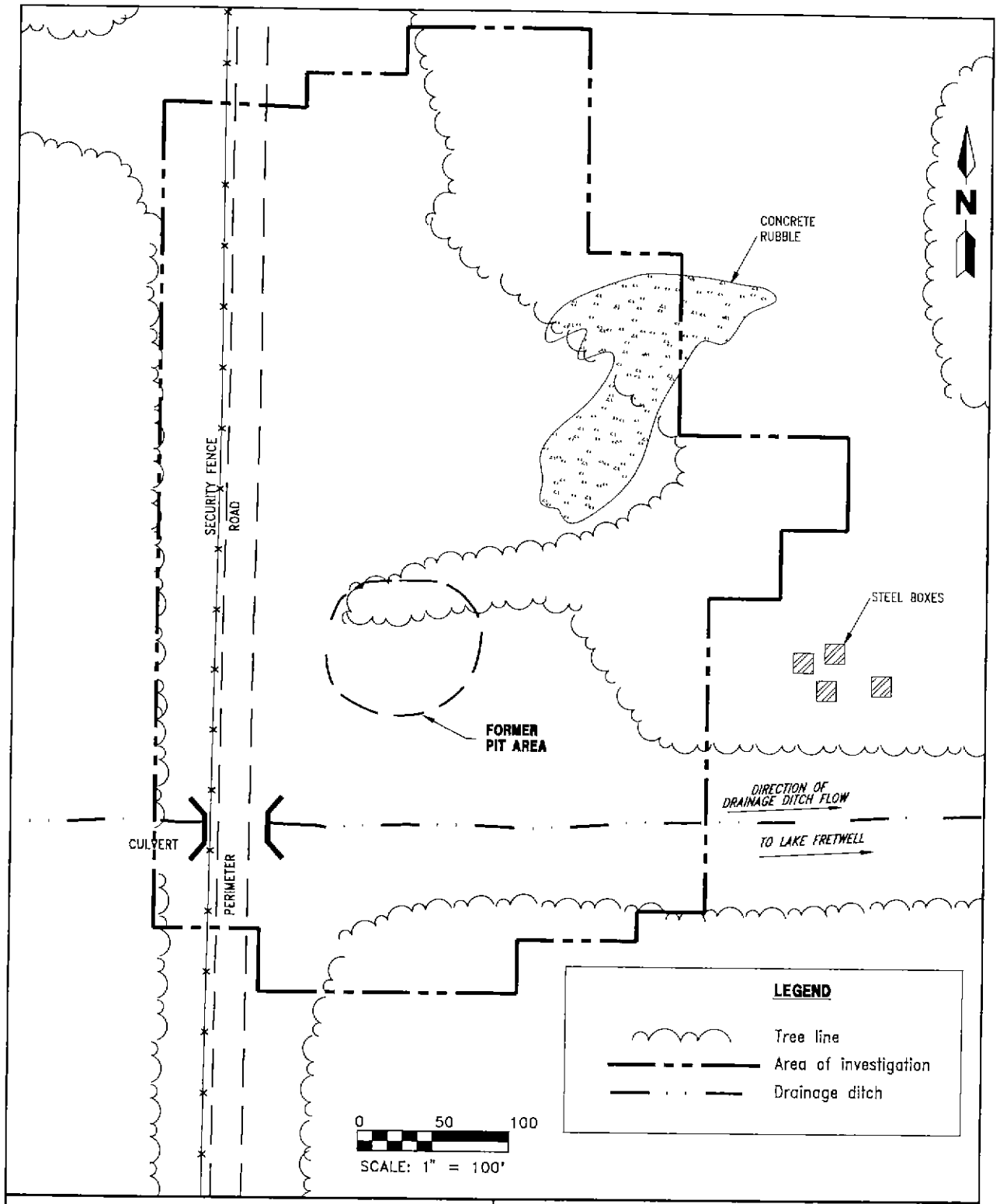


FIGURE 2-3
SITE 5, GENERAL FEATURES

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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plate steel, rectangular in boxes with dividers, approximately twice the size of an ordinary refrigerator, and heavily oxidized.

2.1.2 Site 17 Site 17, Oil and Sludge Disposal Pit Southwest, is located on the western part of the facility adjacent to Perimeter Road (Figure 2-2) and southwest of Lake Fretwell. The disposal pit was reported to be approximately 0.4 acre in size. The area of investigation is approximately 4 acres (Figure 2-4).

The IAS (Envirodyne Engineers, 1985) states the Site 17 was used for a 2- or 3-year period in the late 1960's or early 1970's for the disposal of waste liquids. The liquids, reportedly waste fuels and oils possibly mixed with solvents, paints, and/or paint thinners, were transported to the site, via bowsers or 55-gallon drums, and emptied into the pit. The liquids were then allowed to evaporate or soak into the ground.

Sources for the liquid wastes dumped at the site, as listed in the IAS (Envirodyne Engineers, 1985), are the fuel farm, the Aircraft Intermediate Maintenance Department (AIMD), the squadrons, and public works. The IAS does, however, state that during the site's period of operation "hundreds of gallons of these types of wastes could have been disposed of at the site." The IAS states that following the termination of the site as a disposal area the pit was "filled-in" and covered with soil.

2.2 TOPOGRAPHY AND SURFACE FEATURES. The topography of Duval County's 840 square miles is controlled by a series of ancient marine terraces that have been dissected and modified by stream erosion. These terraces were formed during Pleistocene times when the ocean stood at higher levels. As the ocean dropped to a lower level, the ocean floor emerged as a terrace marked by a low scarp. A gently undulating topography is formed by these north to south paralleling terraces. Generally, these terraces are interspaced with poorly drained areas and swamps (Jacksonville Area Planning Board, 1980).

As shown on Figure 2-5, the topography of Site 5 is relatively flat with no prominent hills or depression. The ground surface slopes primarily to the south toward the Site 5 stream. The eastern side of the site, however, slopes toward the wetland located east of the site. Land surface elevations at the site range from greater than 72 feet above mean sea level (msl) in the northeast part of the site to less than 64 feet msl in the stream southeast of the site.

The area formerly occupied by the disposal pit is covered with grass and some sapling trees. Areas immediately north and east of the former pit location have trees that range from 8 to 16 inches in diameter. Vegetation at Site 5 is discussed in Section 3.8.

The area of Site 17 is relatively flat with no prominent hills or depressions (Figure 2-6). Topography at the site ranges from greater than 71 feet msl in the western part of the site to less than 69 feet msl in the eastern part of the site.

Site 17 is covered by grasses and trees. A wetland is located east of the site (approximately 450 feet east of Perimeter Road). Further discussion of the wetland area appears in Chapter 5 of this report.

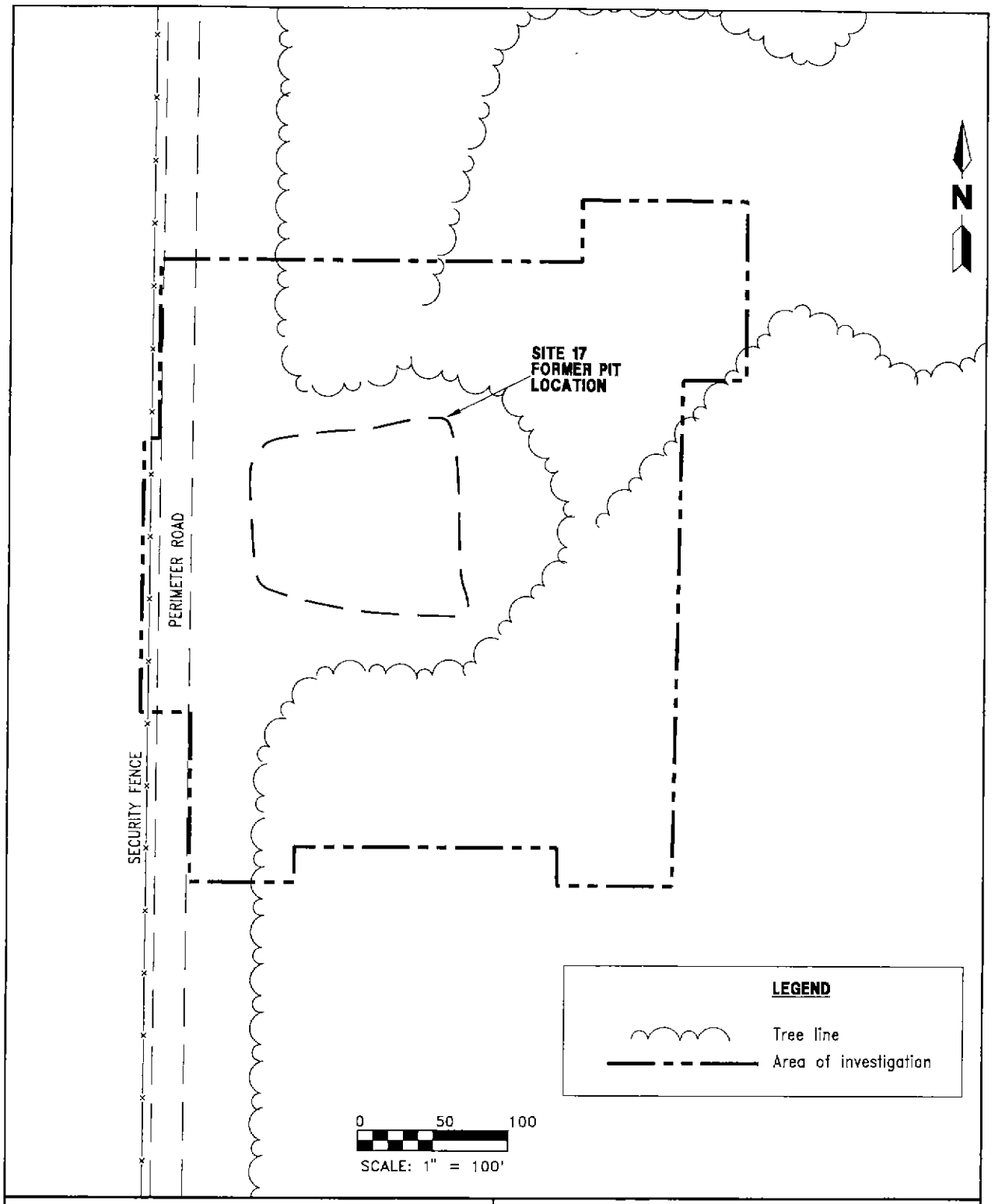

FIGURE 2-4
SITE 17, GENERAL FEATURES

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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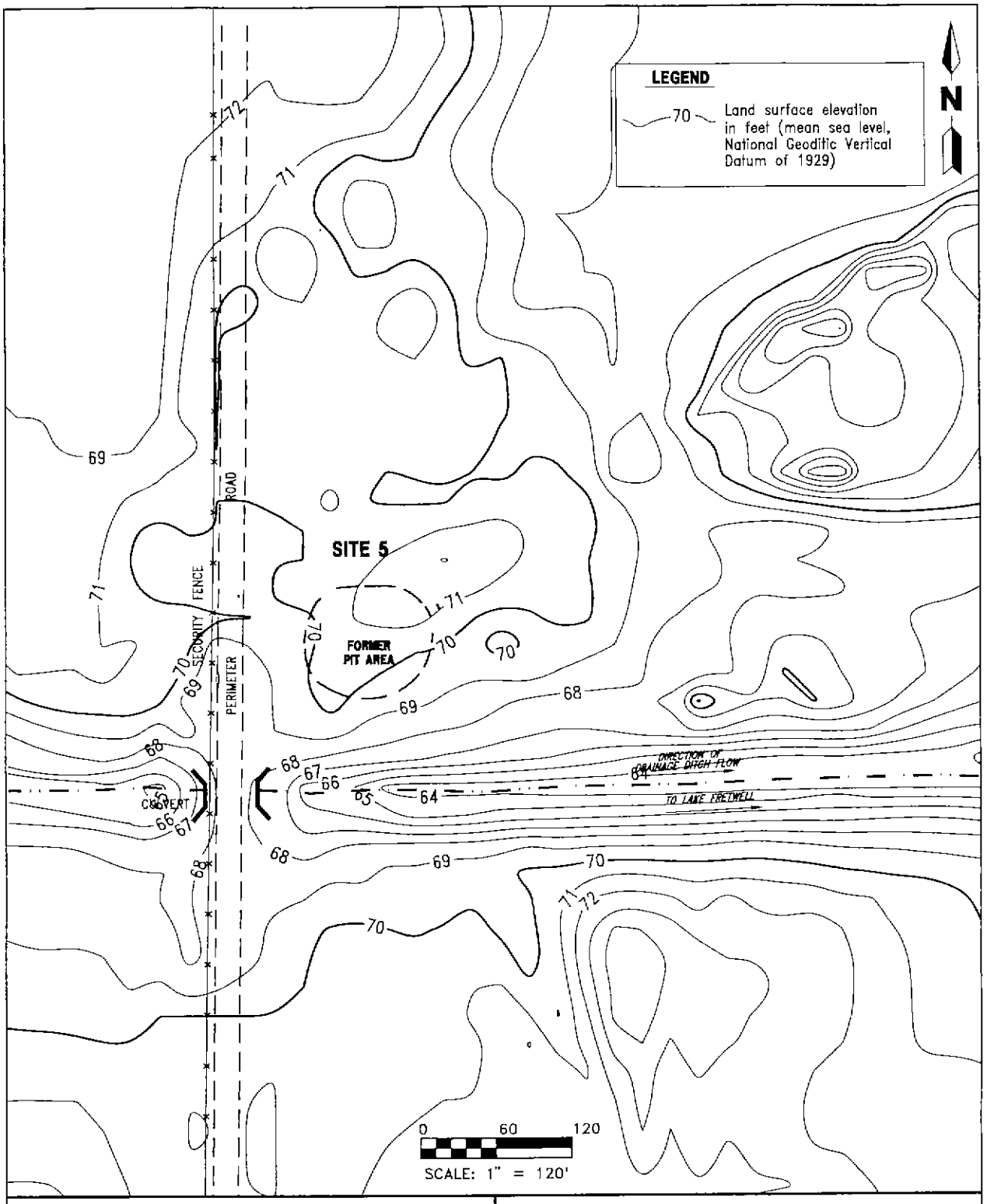

FIGURE 2-5
SITE 5, SURFACE TOPOGRAPHY

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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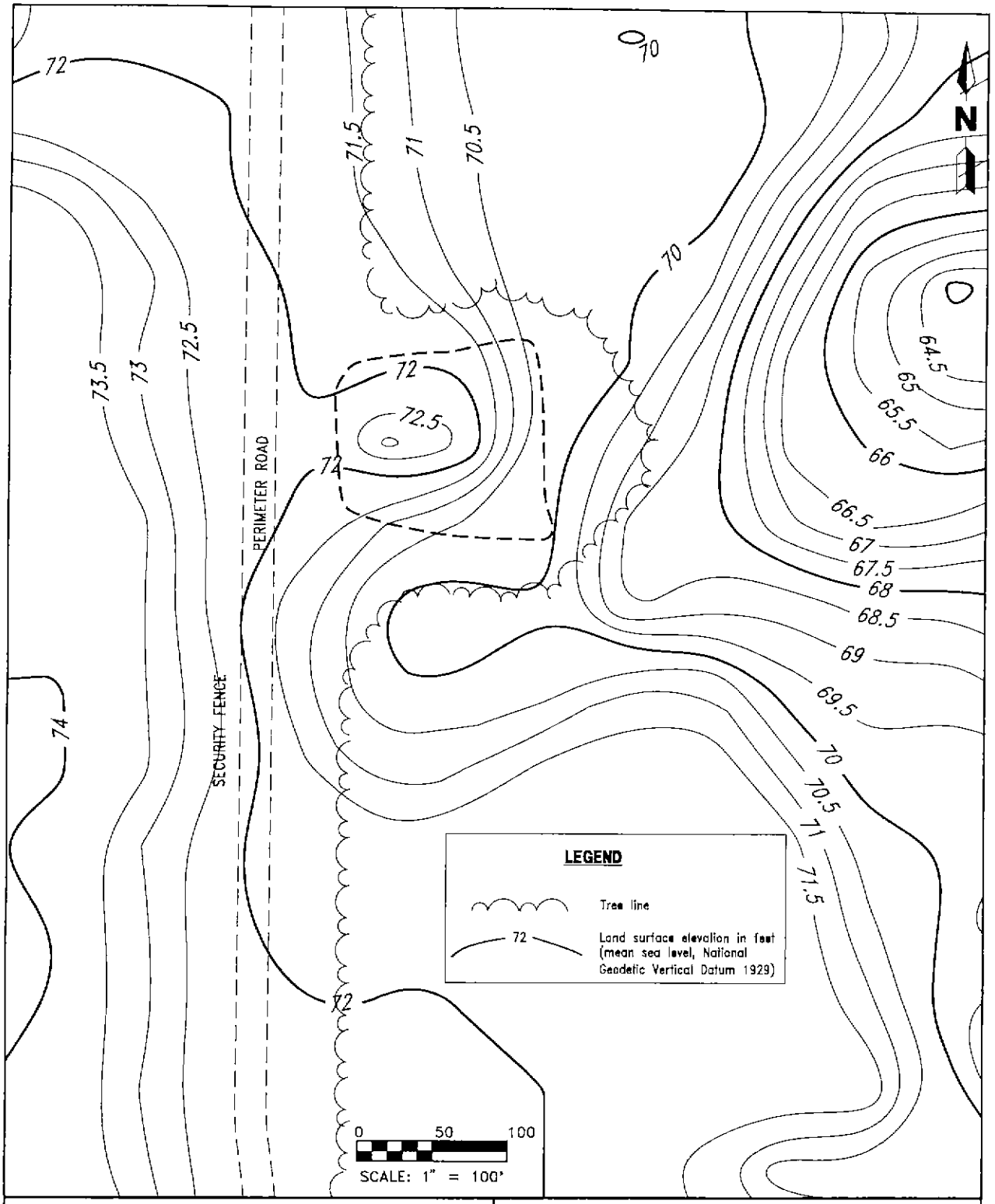

FIGURE 2-6
SITE 17, SURFACE TOPOGRAPHY

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

CECIL/FS-1_4/NP-WDW/11-1-94

2.3 SURFACE HYDROLOGY. NAS Cecil Field lies mostly within the St. Johns River basin with a small part lying in the St. Marys River basin. Because of the extremely low gradient and abundance of swampy areas, the surface water divide between the St. Johns River basin and the St. Marys River basin is not well defined.

Most surface water in Duval County is derived from rainfall within the county, except for a small amount of inflow from neighboring Baker County to the west (Anderson, 1972). Groundwater seepage from springs also contribute substantially to base flow in streams.

2.3.1 Drainage at Naval Air Station (NAS) Cecil Field Drainage at NAS Cecil Field consists of sheet flow across areas of low topographic relief combined with streams and canals of low order (having few to no tributaries) (Figure 2-7). In the St. Johns River basin, streams from west to east include Yellow Water Creek, Rowell Creek, and Sal Taylor Creek. Sal Taylor Creek drains the eastern part of the facility, whereas Rowell Creek receives drainage from the central part and flows into Sal Taylor Creek in the south-central part of the facility.

In the St. Marys River basin (the northern part of the Yellow Water Weapons Area), sheet flow and swampy areas eventually drain into Brandy Branch, which is a tributary of the St. Marys River.

In the southern half of NAS Cecil Field, swampy areas in the uplands (which are probably perched on locally occurring clayey lenses) are drained by steep gradient (approximately 40 feet per mile), first order unnamed tributaries that flow directly into the major creeks.

2.3.2 Drainage at OU 2 The drainage of OU 2 is generally eastward toward Rowell Creek, which bounds the site to the east.

The primary surface feature at Site 5 is the drainage ditch. This drainage ditch drains a wetland area located approximately 200 feet west of Perimeter Road (Figure 2-8). The wetland occupies a large part of the area between Perimeter Road and Yellow Water Creek and extends northward to Normandy Blvd. Water in the Site 5 drainage ditch flows eastward (from the west side of Perimeter Road) along the south side of the site, empties into another wetland area (east of Site 5), and eventually into Lake Fretwell.

Runoff of surface water from Site 17 is primarily to the east and south following the topography shown on Figure 2-6. Runoff is directed to a low area east of the site, which is currently a wetland. Discharge from this low area enters Rowell Creek. Review of U.S. Geological Survey (USGS) topographic maps for NAS Cecil Field indicates that this low area (east of the site) is probably a former streambed (similar to the drainage ditch at Site 5) whose drainage was pirated by Yellow Water Creek.

2.4 REGIONAL GEOLOGY. In general, the area in which NAS Cecil Field is situated consists of mostly quartz sand, with some clayey sand and clay, from the land surface to approximately 100 feet below the land surface. Below these sediment lie sediment of the Hawthorn Group, which are generally clay-rich and are over 300 feet thick in the area of NAS Cecil Field. Locally, the upper part of the Hawthorn Group sediment consists of a carbonate-rich unit of dolostone or shell

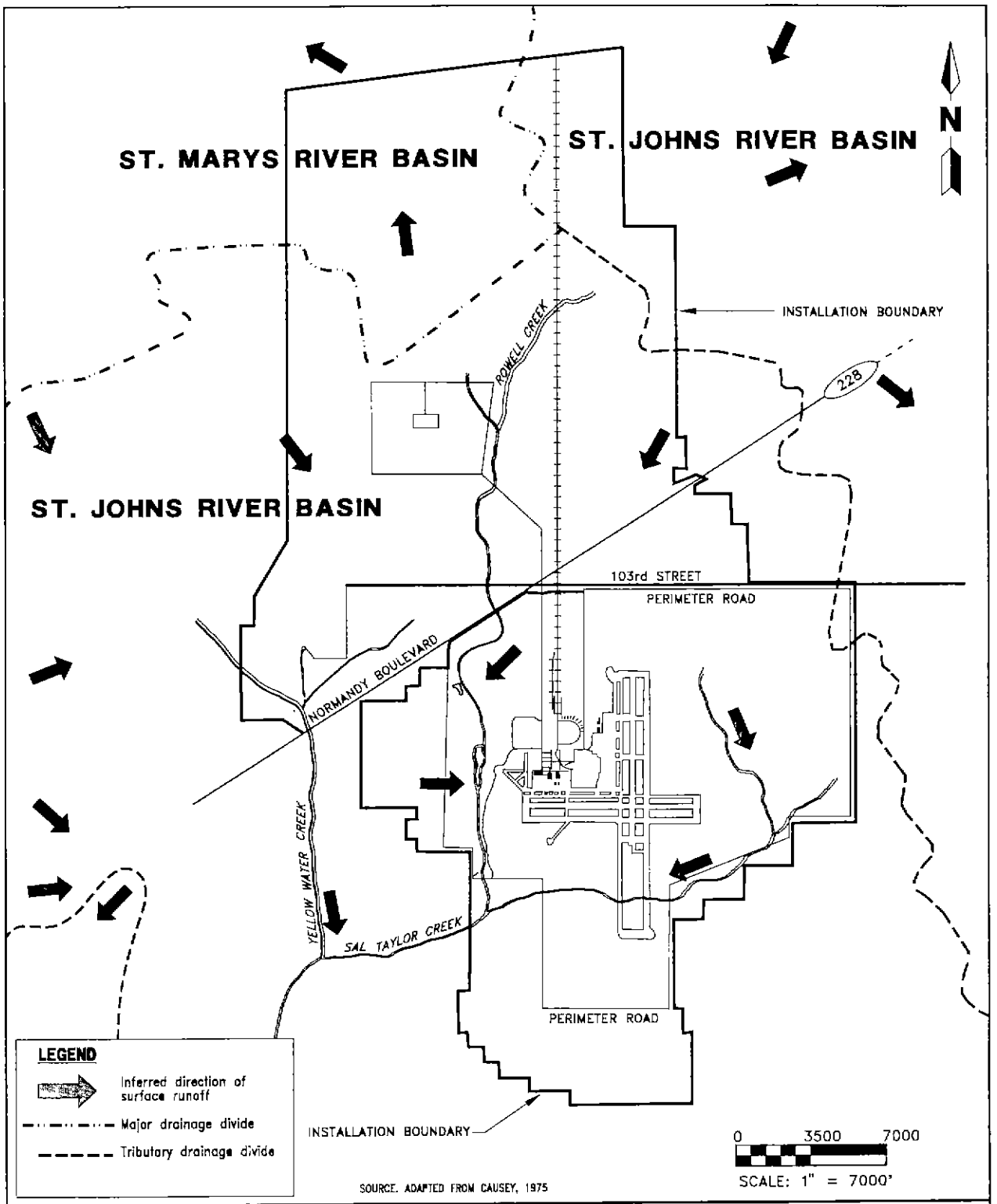

FIGURE 2-7
MAJOR DRAINAGE BASINS AT NAS CECIL FIELD

CECIL/RI-DRAIN/NP-WDW/11-1-94

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

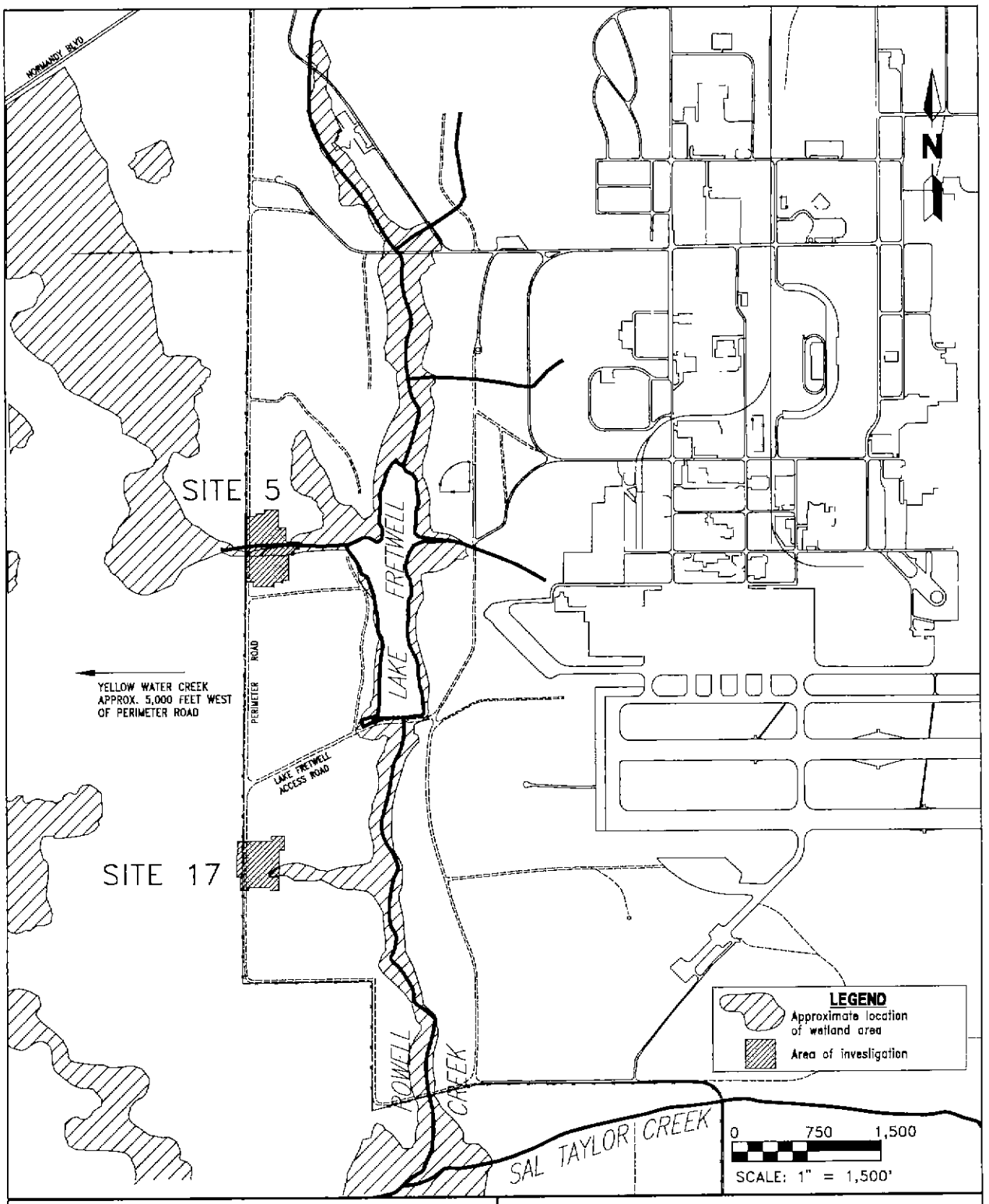

FIGURE 2-8
APPROXIMATE LOCATIONS OF WETLANDS IN SOUTHWEST NAS CECIL FIELD AREA

CECIL/STCRK/MAH-WDW/11-1-94

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

that has been called the "rock aquifer" or "secondary artesian aquifer." In the vicinity of NAS Cecil Field, this unit is approximately 20 to 25 feet thick and occurs at a depth of 60 to 120 feet below land surface (bls). Below the Hawthorn Group is a series of carbonate-rich units that form the Floridan aquifer system.

Three geologic units were encountered during subsurface investigations at OU 2. Borings at Sites 5 and 17 were advanced to a maximum depth of approximately 130 feet bls. The units encountered were (1) unconsolidated fine-grained sand to a depth of 50 to 60 feet bls underlain by (2) clay (with some clayey sand) to a depth of approximately 100 feet bls underlain by (3) dolostone.

2.5 HYDROGEOLOGY. In the area of NAS Cecil Field there are three water-bearing systems. According to the Florida code of hydrostratigraphic nomenclature as described in Florida Geological Survey (FGS) Special Publication 28 (FGS, 1986) these units, from most shallow to deepest, are: the surficial aquifer system, the intermediate aquifer system and confining unit, and the carbonate-rich Floridan aquifer system.

The surficial aquifer system at OU 2 consists of all water bearing intervals overlying the dolomitic limestone. The intermediate aquifer system and confining unit is essentially the entire Hawthorn Group, which has water producing zones and confining zones that collectively act as a confining unit for the Floridan aquifer system. The historical "rock" or "secondary artesian" aquifer (located below the dolomitic limestone) is the uppermost water producing zone of the intermediate aquifer system and is referred to as the upper water-bearing zone of the Hawthorn Group (UZH). Investigations at Sites 5 and 17 did not extend to the depth of the Floridan aquifer system. Figures 2-9 through 2-12 present a geological profile for the subsurface conditions at Site 5 and 17.

The direction of groundwater flow in the vicinity of Site 5 is to the east southeast. The small drainage ditch that crosses the southern part of the site locally affects the water table surface by acting as a point of groundwater discharge. This point of groundwater discharge causes groundwater flow directions immediately adjacent to the ditch to assume a southerly (or northerly on the south side of the stream) component. Recharge of the surficial aquifer at Site 5 occurs primarily by rainfall on the site and in the undeveloped forested area to the west. Discharge of groundwater in the vicinity of the former disposal area at Site 5 is to the ditch, which is a tributary of the Lake Fretwell and Rowell Creek watershed.

The direction of groundwater flow at Site 17 is generally to the east with a slight southeasterly component. Water flow direction at Site 17 follows the regional trend of flow in water table aquifers and basically follows topography to the nearest surface water body, which for Site 17 is Rowell Creek. Recharge of the surficial aquifer at Site 17 occurs primarily by rainfall on the site and in the undeveloped forested area to the west and northwest. Rowell Creek and/or the wetland area to the east are the probable points of discharge for groundwater in the surficial aquifer at Site 17.

2.6 DEMOGRAPHY AND LAND USE INFORMATION. Information presented in this section was collected to identify, enumerate, and characterize human populations poten

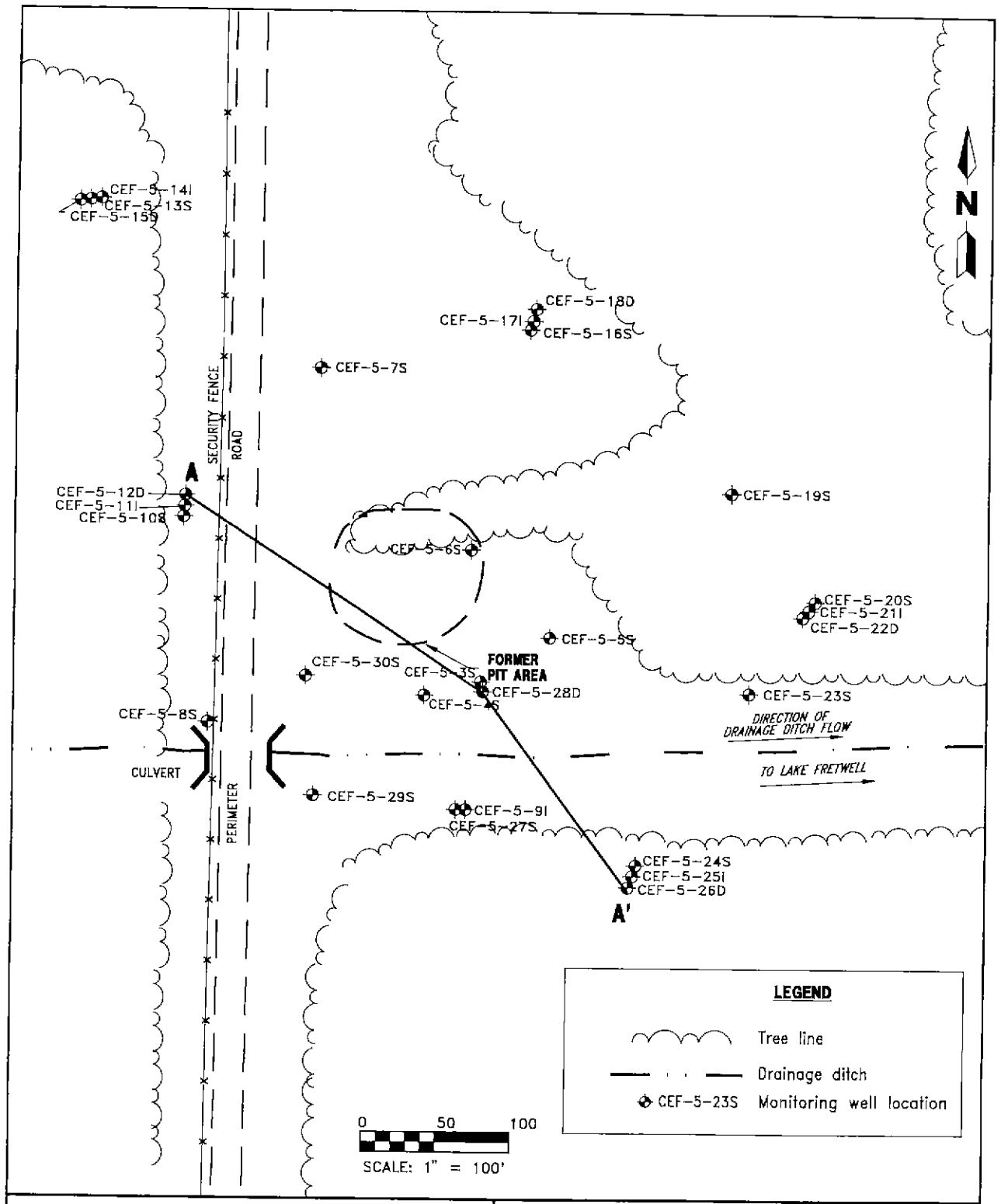

FIGURE 2-9
SITE 5, CROSS-SECTION LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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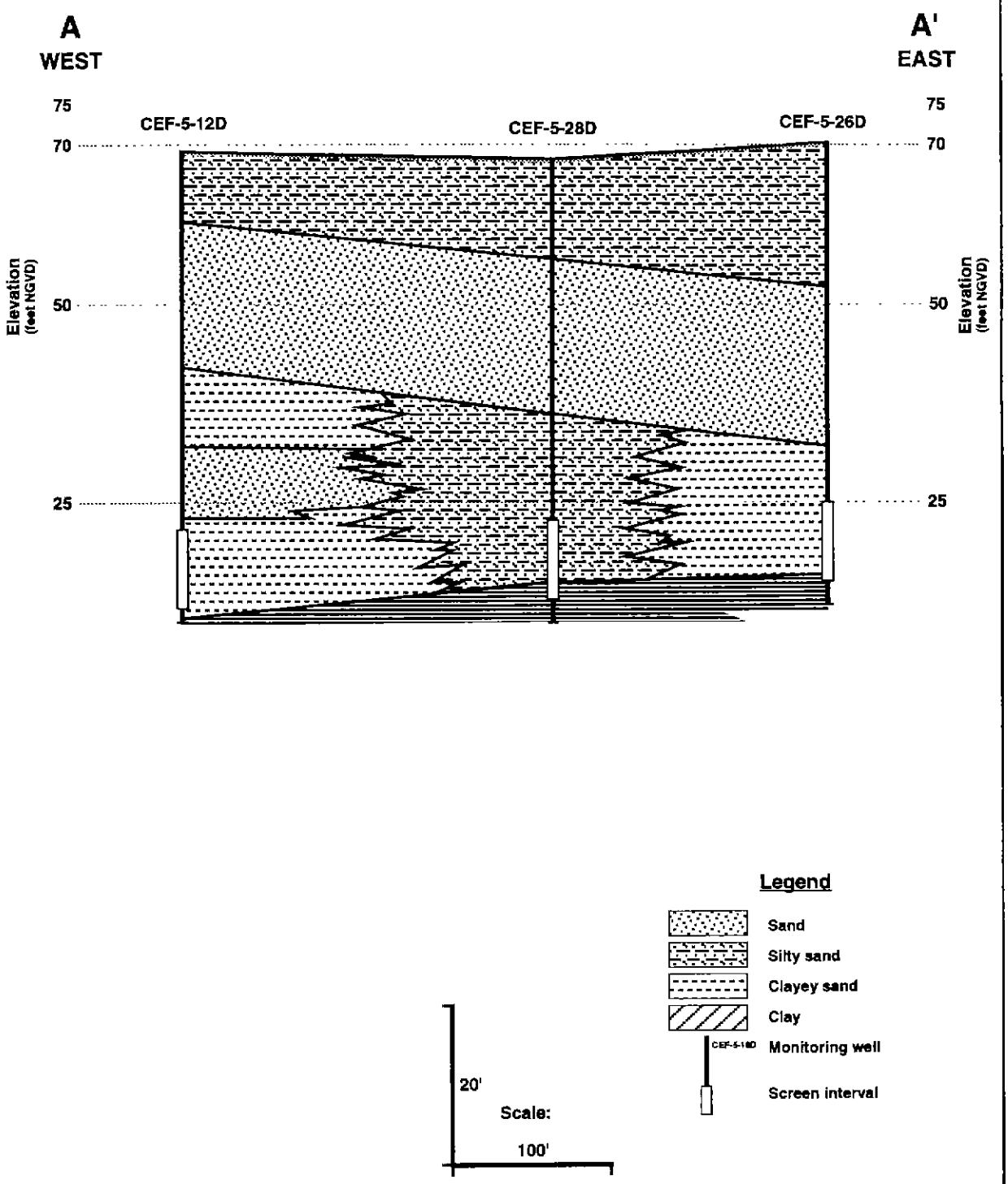

FIGURE 2-10

SITE 5, SUBSURFACE CROSS SECTION A-A'

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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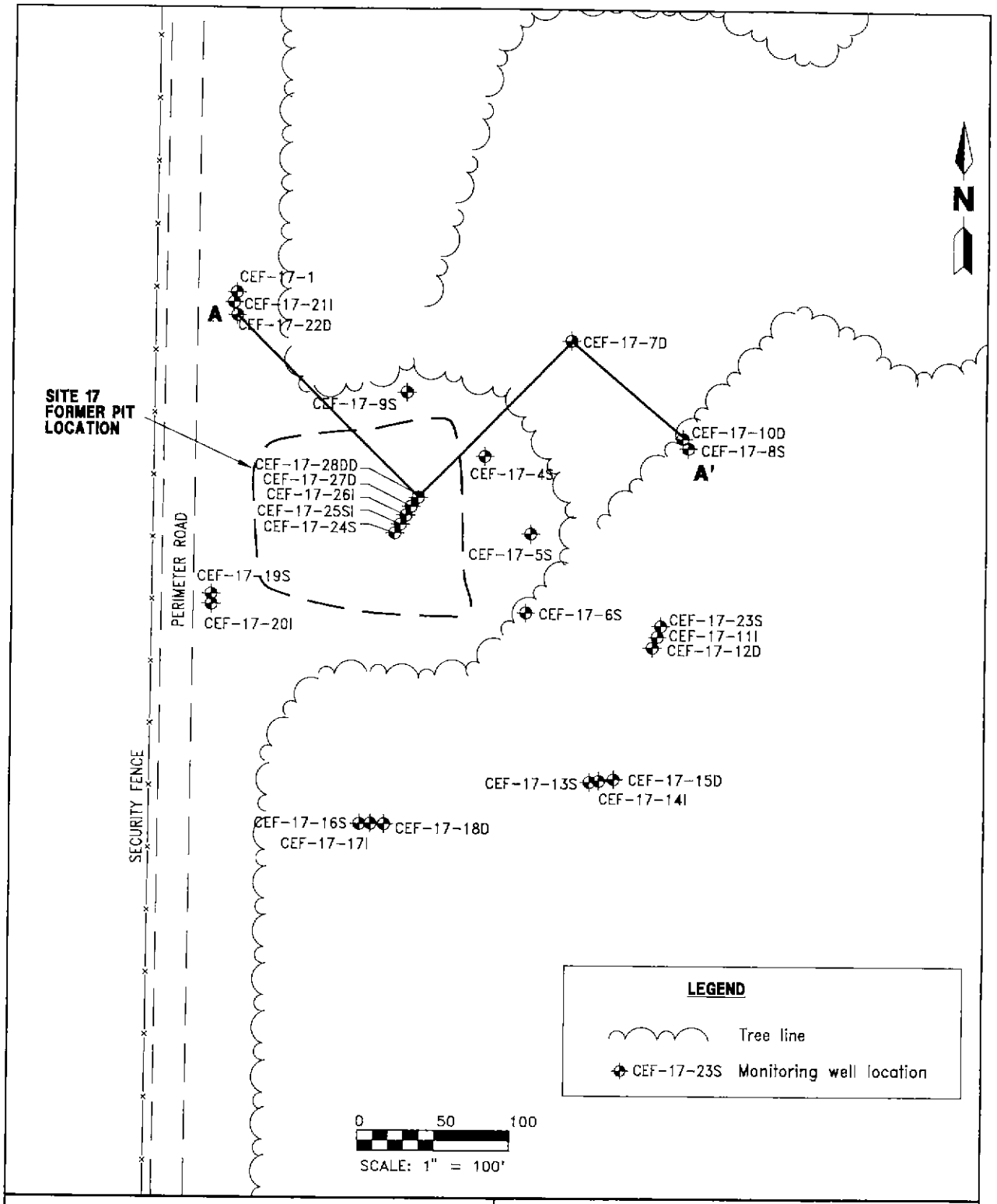

FIGURE 2-11
SITE 17, CROSS-SECTION LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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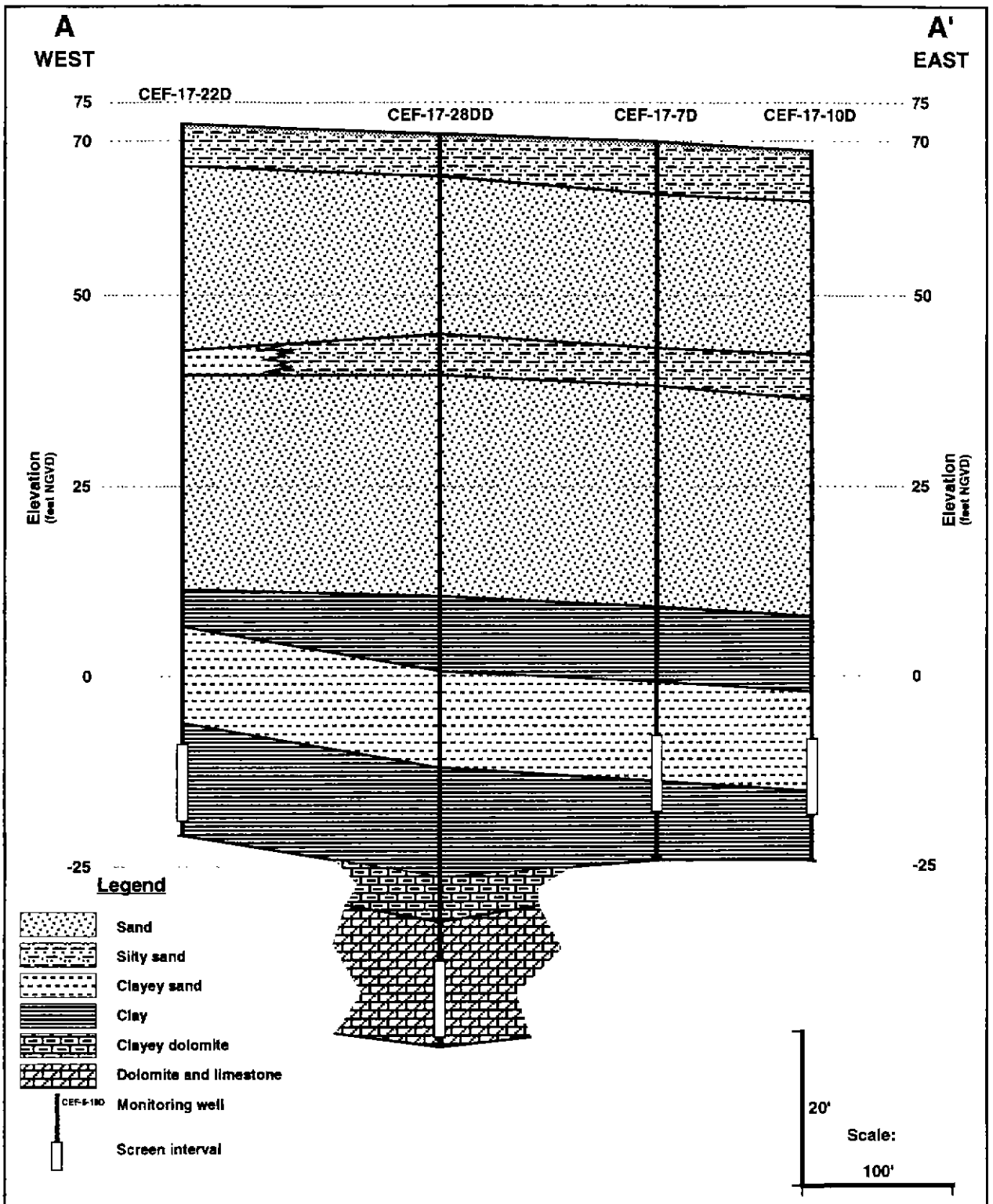

FIGURE 2-12

SITE 17, SUBSURFACE CROSS SECTION A-A'

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

tially exposed to contaminants released from Sites 5 and 17. This information is necessary to support the human health risk assessment for the sites.

2.6.1 **Population** In the Resource Availability Inventory Report distributed by the St. Johns River Water Management District (1990), the population of Duval County is reported to be increasing with time and continued growth is projected through the year 2000. The military personnel at NAS Cecil Field and surrounding military bases such as NAS Jacksonville, Naval Station Mayport, and Naval Fuel Depot (NFD) Jacksonville contribute significantly to this population. NAS Cecil Field supports a workforce of approximately 10,000 civilian and military personnel and can accommodate approximately 3,500 residents in base quarters and housing (ABB-ES, 1992).

2.6.2 **Groundwater Use** The surficial aquifer system is described in Section 2.5. Water obtained from the surficial aquifer system is primarily used for lawn irrigation and domestic purposes, including heat exchange units in heating and air conditioning systems. The yield of the wells is typically between 30 and 100 gallons per minute and water use estimates for the surficial aquifer system are approximately 10 to 25 million gallons per day for the City of Jacksonville (Jacksonville Planning Department, 1990). The surficial aquifer level and flow directions have been altered over time because of increased water use and pumping rates.

The intermediate aquifer system is described in Section 2.5. The quality of water from the limestone, shell, and sand part of the UZH is hard to very hard and has moderate dissolved solids levels. The iron content is variable and some areas contain hydrogen sulfide (Geraghty & Miller, 1985). At least 50,000 homes in the Jacksonville Area obtain water from private wells in the UZH.

The Floridan aquifer system is described in Section 2.5. It is one of the most productive aquifers in the world, and is the primary source of water in Jacksonville for all uses.

2.6.2.1 **Navy Supply Wells** NAS Cecil Field obtains its potable water from five Public Supply wells set within the Floridan aquifer system within the property boundary. These wells are set at depths ranging from 400 to 800 feet bls (NAS Cecil Field, 1990). Water is extracted from these wells and stored in reservoirs and elevated water tanks. There is one 500,000-gallon reservoir, one 200,000-gallon reservoir, and two 250,000-gallon elevated water tanks at NAS Cecil Field. The five wells have a combined capacity of approximately 4.8 million gallons per day (Envirodyne Engineers, 1985). Water from these wells is used for potable, industrial, and heating purposes. Treatment consists of chlorination and aeration. In addition, phosphate is added to boiler plant water. There was no reported incidence of groundwater contamination in any of the wells at NAS Cecil Field tapping the Floridan aquifer system. There are no backup supplies of potable water.

Other wells on NAS Cecil Field reportedly tap the UZH (Geraghty & Miller, 1983). These wells are not a part of the NAS Cecil Field water supply system and are not used for drinking water. These wells are used as individual water supplies along the outlying areas of the base that are not served by the main water system. Water from these wells is used for sanitation (e.g., flushing toilets) and irrigation (Envirodyne Engineers, 1985).

2.6.2.2 Private Water Supply Wells The Florida Department of Health and Rehabilitative Services estimates that there are approximately 75 private wells located within a 2-mile radius of NAS Cecil Field and they reportedly produce from within the UZH. Two potable supply wells are present in a small unincorporated community on Nathan Hale Road, immediately west of NAS Cecil Field and south of Normandy Boulevard (State Road 228). These private wells are set at 64 and 125 feet deep (Geraghty & Miller, 1983).

2.6.3 Land Use The land use at NAS Cecil Field and the surrounding area are described in this section.

2.6.3.1 Current Facility Land Use NAS Cecil Field occupies more than 31,000 acres and can be divided into four distinct areas: the main base (NAS Cecil Field), which occupies 9,516 acres; the Yellow Water Weapons Department, which occupies 8,091 acres; Outlying Landing Field (OLF) Whitehouse, which occupies 2,587 acres; and the 11,072-acre Land Target Complex Detachment Astor. The main facility, the Yellow Water Weapons Department, and OLF Whitehouse are shown on Figure 2-1.

The main facility consists of intersecting north to south and east to west runways bracketing the flightline and support facilities. These facilities occupy approximately 1,000 acres in the southeast quadrant of NAS Cecil Field. The remaining acreage of the main base is mostly undeveloped (SOUTHNAVFACENGCOM, 1989) (Figure 2-2).

OU 2 is located within the controlled access part of NAS Cecil Field and security passes are needed for admittance onto the base. However, the OU is accessible once entrance to NAS Cecil Field has been attained as fences have not been constructed around either of the sites. No housing is present in the immediate vicinity of OU 2. Navy personnel do not routinely frequent the area except for Perimeter Road fence maintenance and security patrols. Occasionally, recreational fishing occurs in Rowell Creek between Lake Fretwell and Perimeter Road.

2.6.3.2 Current Adjacent Land Use The downtown center of the City of Jacksonville lies approximately 14 miles to the northeast and is the most heavily developed area of Duval County. Urban development tends to decrease across Duval County from the coastal areas (east) to the western boundary. Low commercial use, such as convenience stores, and low density residential areas characterize the land use (ABB-ES, 1992). A development called Villages of Argyle, when complete, will consist of seven separate villages or communities that will ultimately abut NAS Cecil Field to the south and southeast. A golf course and residential area also border NAS Cecil Field to the east (SOUTHNAVFACENGCOM, 1989).

Generally, the area surrounding NAS Cecil Field is rural and sparsely populated.

Surrounding land use is primarily forestry with some light agricultural and ranching use. Small communities and scattered dwellings associated with these activities are located in the vicinity. A small residential area on Nathan Hale Road, which abuts the NAS Cecil Field property to the west, typifies these rural communities. The nearest incorporated municipality is the town of Baldwin, whose center lies approximately 6 miles to the northwest of the main facility entrance.

2.6.3.3 **Future Facility Land Use** As discussed in Section 2.0, NAS Cecil Field is currently scheduled for closure under BRAC. Future zoning by the local reuse commission for the land currently owned by the facility is scheduled for completion in 1995. Therefore, the future use of land encompassing NAS Cecil Field, and in particular the area encompassing and immediately surrounding OU 2, is unknown at this time. It is unlikely that structures would be erected on OU 2 due to the surrounding undeveloped land and the geotechnically challenging conditions posed by the disposal pits. Though it is possible that the areas immediately surrounding OU 2 could be used as residential property, the presence of disposal pits in the area may be a deterrent for developers. Future development of the land will be difficult due to the presence of a wetland and the fact that the OU is located within the 100-year floodplain.

3.0 OPERABLE UNIT 2 INVESTIGATION AND DATA EVALUATION METHODOLOGY

This Chapter presents the purpose of the RI field program as it relates to the BRA, the media sampled and analyzed to support the BRA effort, and a brief discussion of the methodology used for evaluating data during the BRA. It also includes a discussion of the characterization of background concentrations for media at OU 2, which was scoped as part of the RI field program. For more detailed information, see the RI report for OU 2 (ABB-ES, 1994a).

Investigations completed during the RI field program at OU 2 that supported the BRA efforts included:

- site reconnaissance;
- field screening;
- aerial photography interpretation;
- sampling and chemical analyses of surface water, sediment, surface soil, and subsurface soil;
- monitoring well installation;
- groundwater sampling and chemical analyses;
- hydraulic conductivity testing;
- water level elevation determination;
- free product delineation (Site 5);
- facility background sampling program;
- biological testing; and
- wetlands and habitat delineation.

Wetlands and habitat delineation will be discussed in Chapter 5.0 of this report.

3.1 SOIL INVESTIGATION. The surface soil and vadose zone (subsurface soil) investigations were completed in 1993 to characterize the nature and extent of contamination. Data from the field screening program (see RI report for OU 2; ABB-ES, 1994) assisted in the selection of confirmatory sampling locations. Data from the confirmatory sample analyses will be used to evaluate and characterize risk posed by the existing soil to human health and the environment and to support the FS recommended technology.

Surface soil samples were collected from 31 locations at Site 5 and 14 locations at Site 17. Surface soil sample locations are shown on Figures 3-1 and 3-2 for Site 5 and Site 17, respectively. All surface soil samples were collected from a depth of 0 to 6 inches bls. This sampling depth was selected at the directionof the USEPA after consultation with the Agency for Toxic Substances and Disease

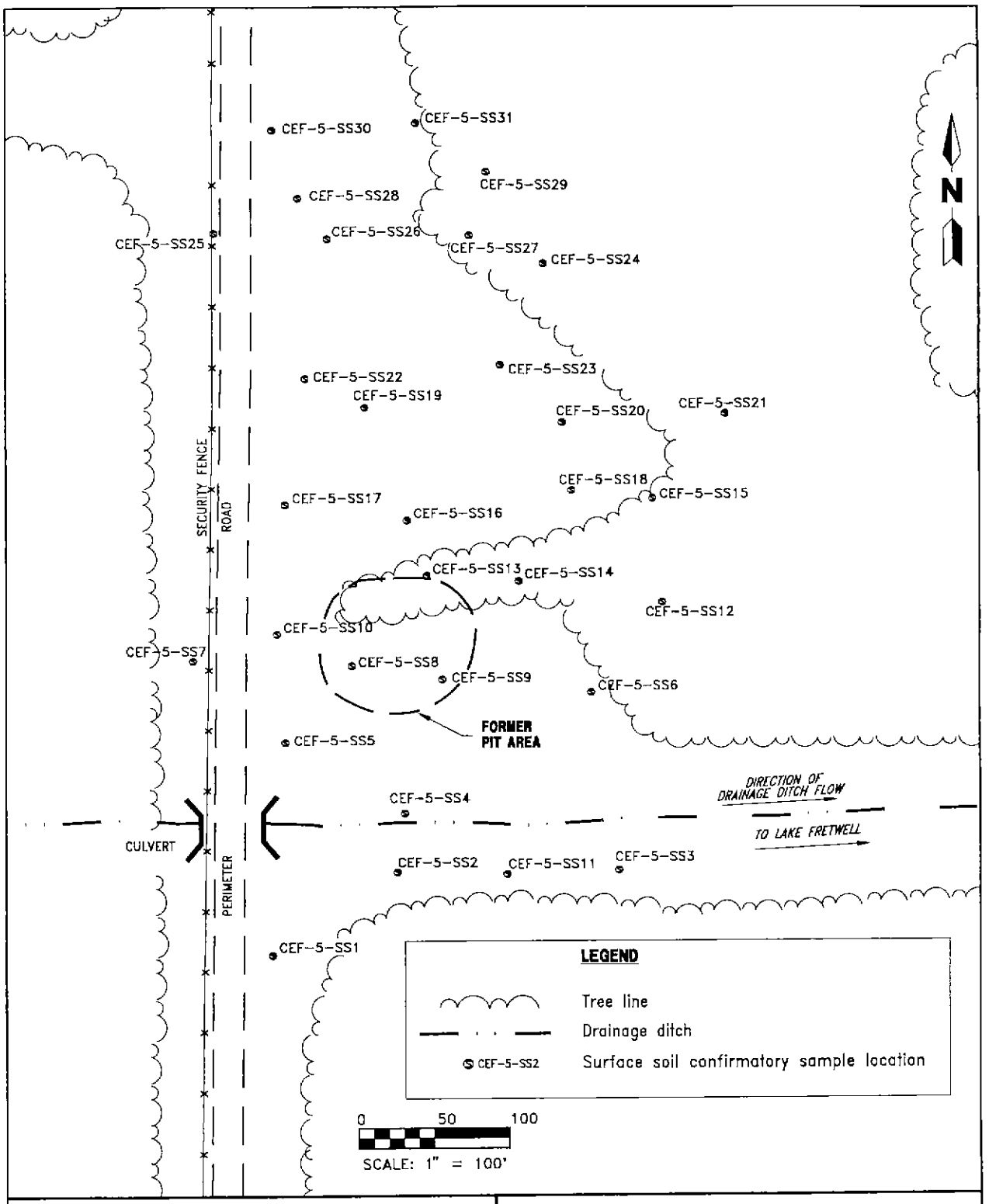

FIGURE 3-1
SITE 5, 1993 CONFIRMATORY SURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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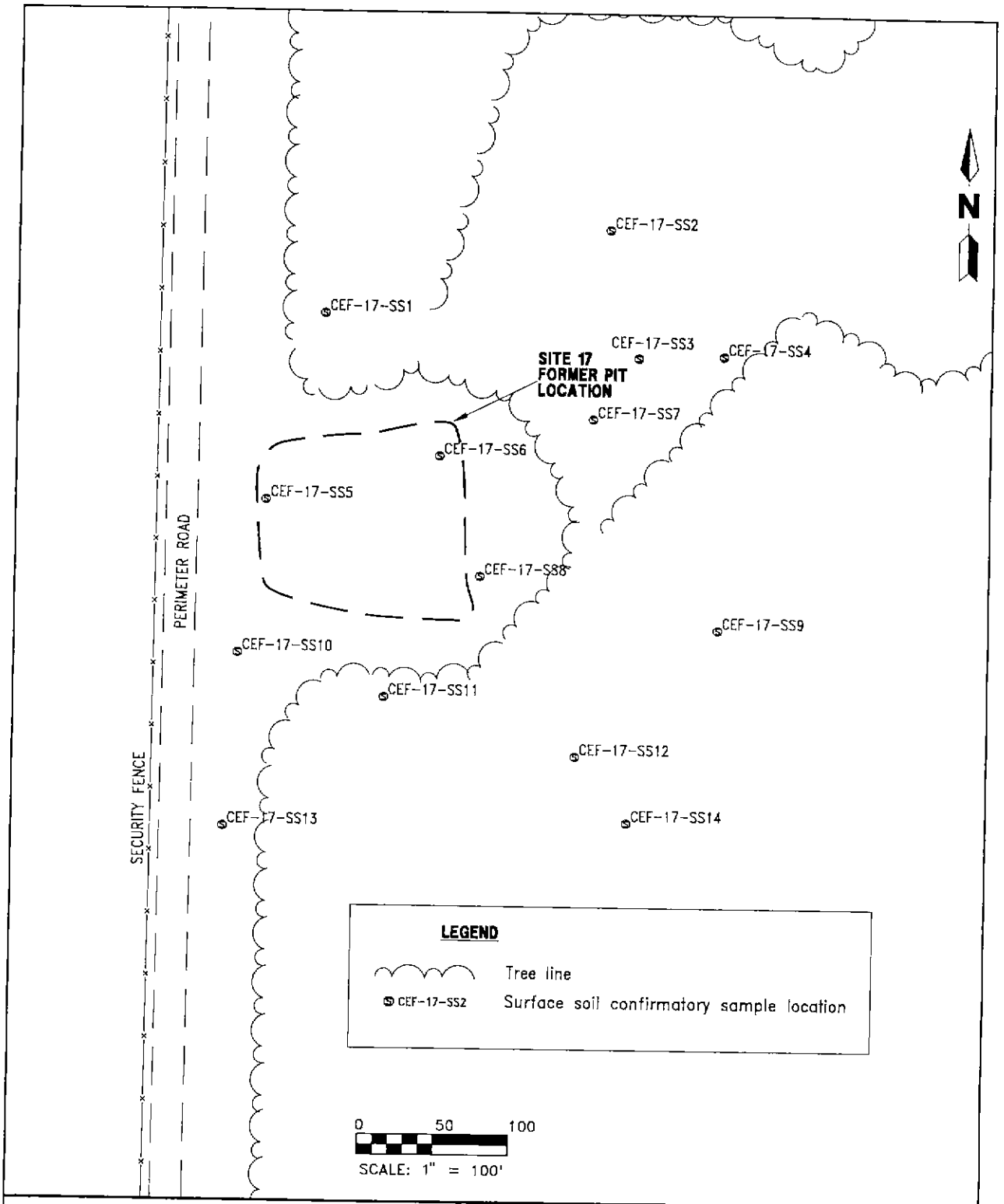

FIGURE 3-2
SITE 17, 1993 CONFIRMATORY SURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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Registry (ATSDR), the State of Florida, and the Navy. All surface soil samples were analyzed for target compound list (TCL) organics, target analyte list (TAL) inorganics, and total petroleum hydrocarbon (TPH). Toxicity testing (earthworm and seed germination tests) was performed on selected samples.

Subsurface soil samples at Site 5 were collected from the locations in 1991 and 1993 indicated on Figures 3-3 and 3-4, respectively. From the 1993 data, a total of 36 subsurface soil samples were collected from the 18 locations. All samples were analyzed for TCL organics, TAL inorganics, and TPH. In addition, selected samples were analyzed for geotechnical parameters that include grain size, moisture content, and Atterberg limits. Results for the 16 samples from 1991 were included in this report.

Subsurface soil samples at Site 5 were collected from soil borings that were completed as monitoring wells and from separate borings completed for the collection of subsurface soil samples.

Twenty-four confirmatory subsurface soil samples were collected from 12 borings at Site 17 in 1993. Subsurface soil locations for 1991 and 1993 are presented in Figure 3-5 and Figure 3-6 for Site 17, respectively. Samples were analyzed for TCL organics, TAL inorganics, and TPH. Certain samples were analyzed for geotechnical parameters. Results for the six samples from 1991 were included in this report.

Data validation was performed on all laboratory analytical results for OU 2 surface and subsurface soil in accordance with USEPA Functional Guidelines (USEPA, 1991e) following USEPA Level 4 (Naval Energy and Environmental Support Activity [NEESA] Level D) data validation protocol. Results can be found in Appendix R.

3.2 SURFACE WATER AND SEDIMENT INVESTIGATIONS. Surface water and sediment samples were collected from seven locations in the vicinity of Site 5 during the field program. Five of the locations were in the tributary to Rowell Creek and two were from the wetland area east of Site 5. The purpose of the surface water and sediment investigation was to assess potential contaminant migration through groundwater-surface water interaction, surface water runoff, and/or soil erosion and to assess potential human health and ecological risk. The sample locations are shown in Figure 3-7.

Surface water and sediment samples were not collected at Site 17. No surface water is present in the immediate vicinity of the site. Rowell Creek, located approximately 1,000 feet east of Site 17, is the closest permanent surface water body. A wetland has been identified approximately 250 feet east of the Site 17.

Surface water and sediment samples were analyzed for TCL organics and TAL inorganics. Lower detection limits were used for all VOCs and selected metals during the surface water and sediment analytical program. These lower levels were used to obtain detection levels below applicable or relevant and appropriate requirements (ARARs), when practical. The metals with lowered detection limits are: beryllium, 0.2 microgram per liter ($\mu g/\ell$); cadmium, 0.2 $\mu g/\ell$; and silver, 0.1 $\mu g/\ell$.

Total organic carbon (TOC) analyses were completed for all sediment samples. TPH analyses were completed at selected sediment sampling locations. Wet chemistry

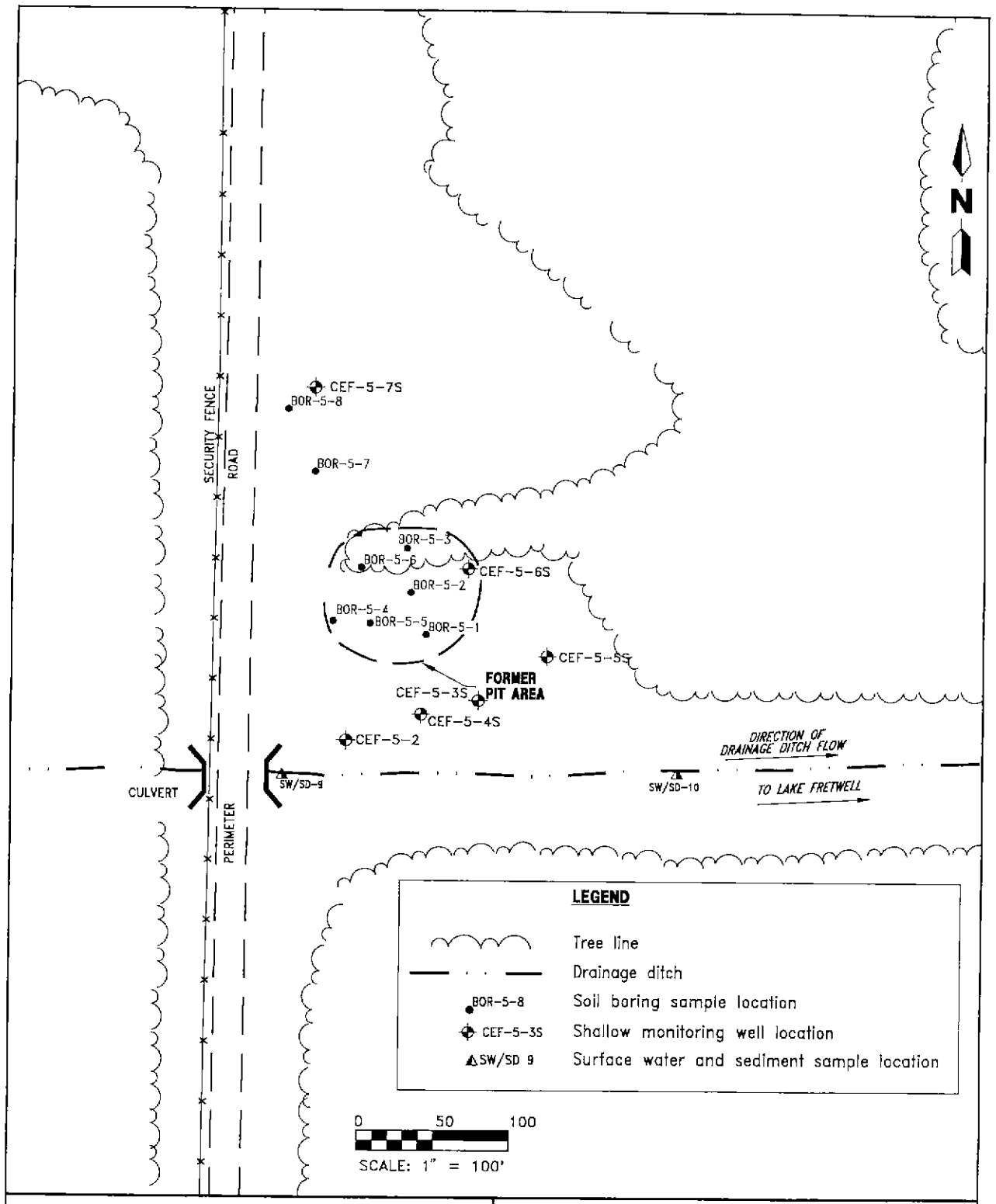

FIGURE 3-3
SITE 5, 1991 SUBSURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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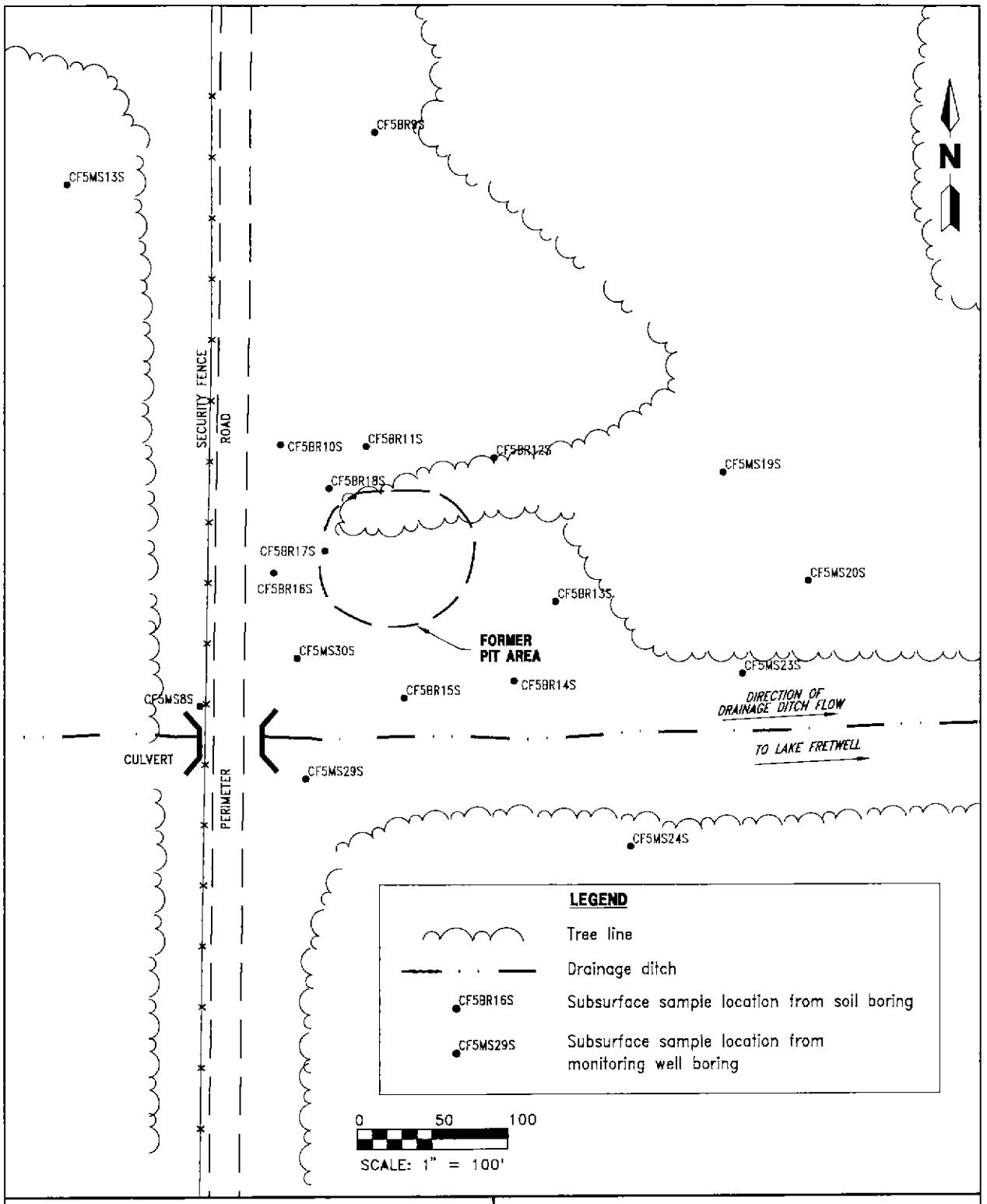

FIGURE 3-4
SITE 5, 1993 CONFIRMATORY SUBSURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

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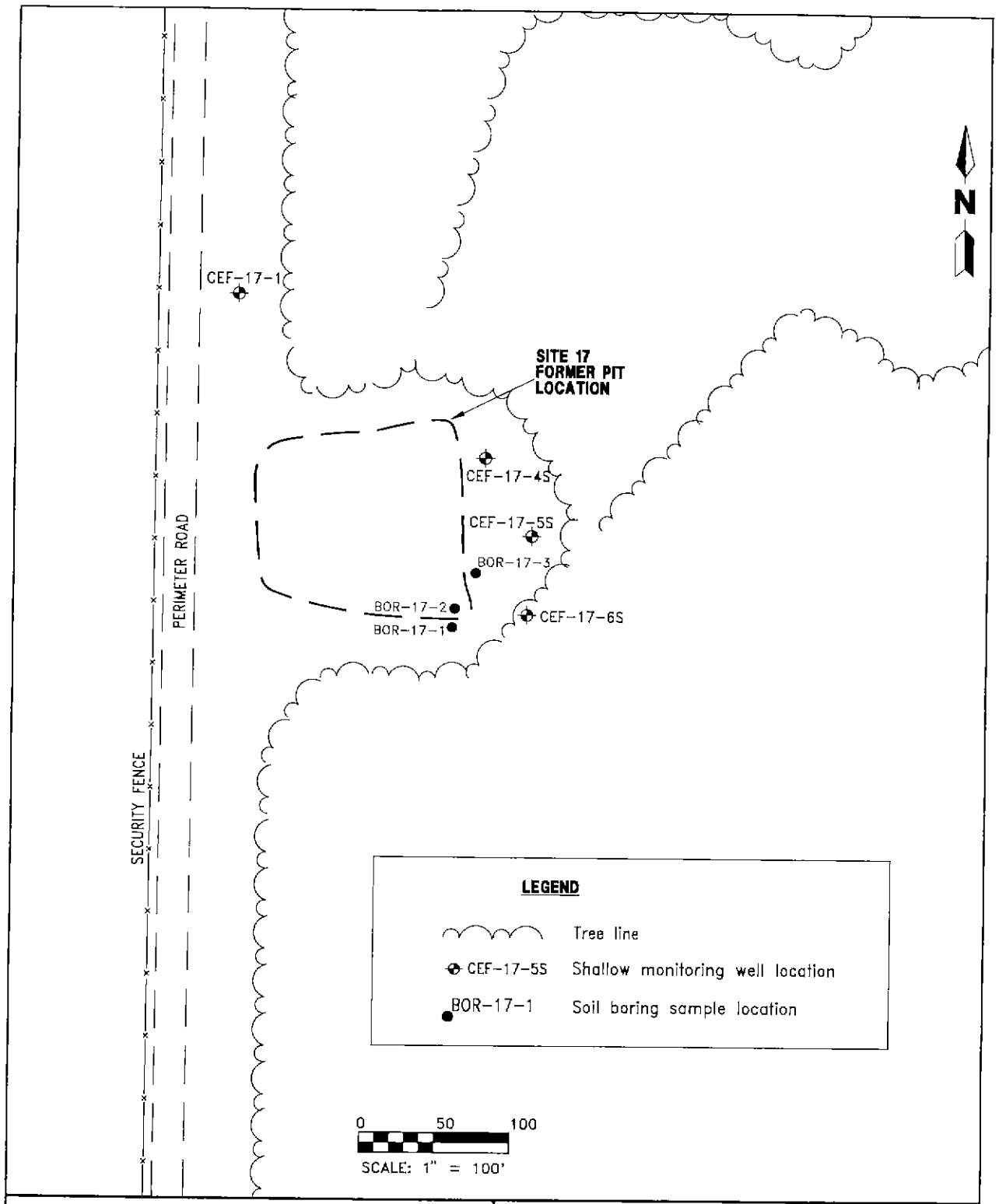

FIGURE 3-5
SITE 17, 1991 SUBSURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
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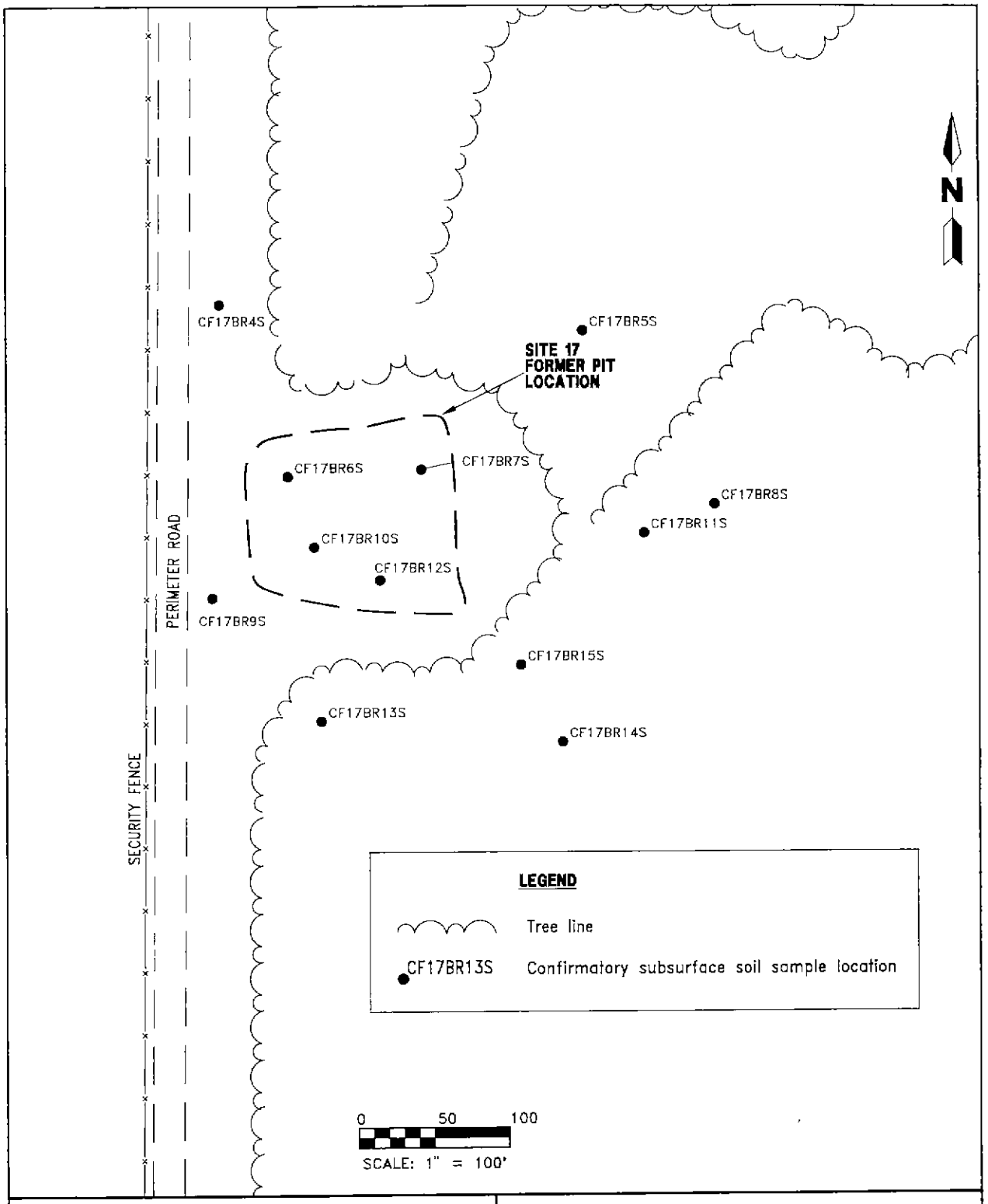

FIGURE 3-6
SITE 17, 1993 SUBSURFACE SOIL SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

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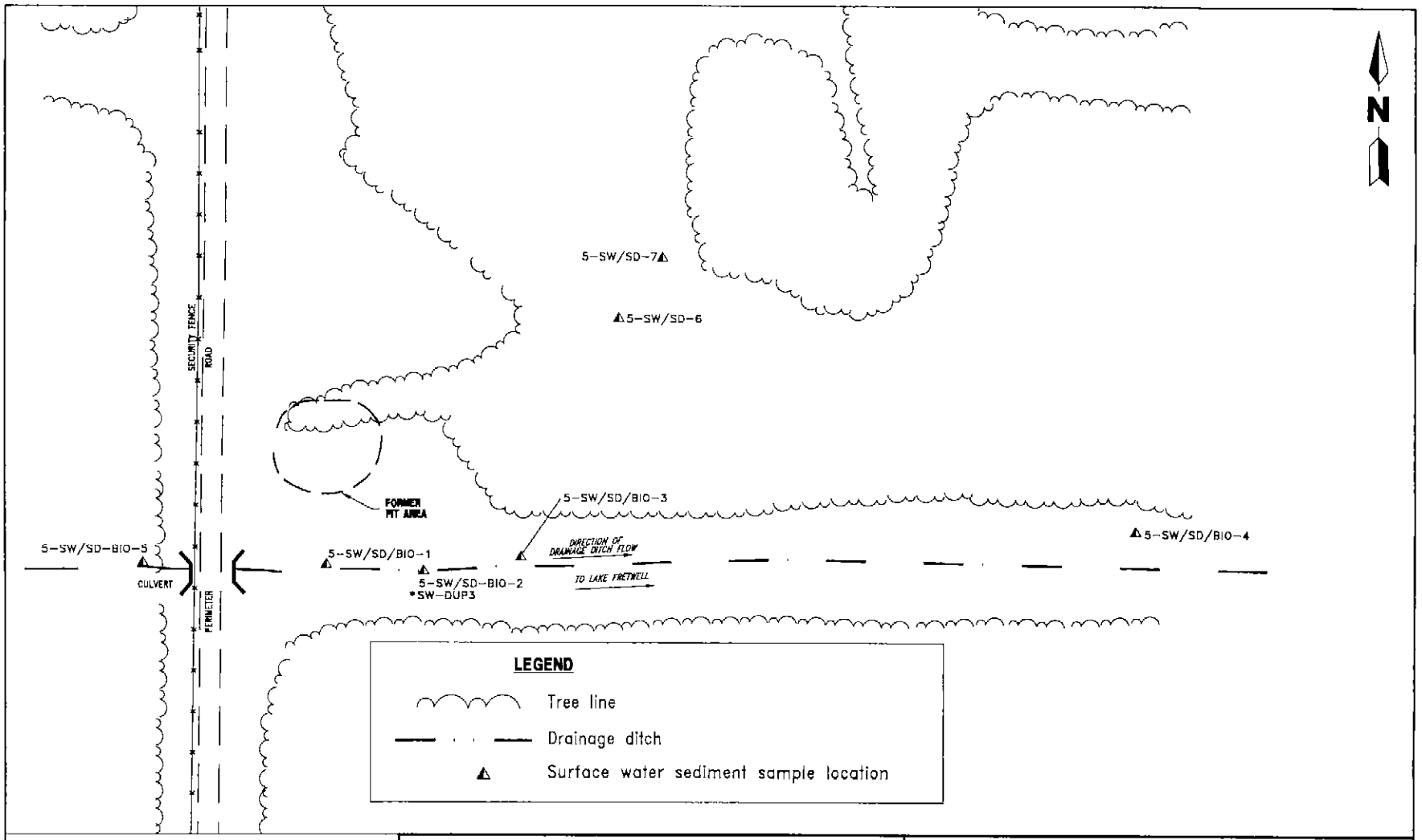

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FIGURE 3-7
SITE 5, SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

analyses were performed on the surface water samples, which included hardness and nutrient analyses, for evaluating compliance with regulatory limits. Hardness was measured to develop appropriate surface water criteria. Nutrient data were collected to aid in the evaluation of biological assessments. Hexavalent chromium analysis was performed on surface water sample 5SW1 to evaluate whether this more toxic form of chromium was present.

Data validation was performed on all laboratory analytical results for OU 2 surface water and sediment samples in accordance with USEPA Functional Guidelines (USEPA, 1991e) following USEPA Level 4 (NEESA Level D) data validation protocol. Results are presented in Appendix R.

3.3 GROUNDWATER INVESTIGATION. Groundwater monitoring wells were installed at OU 2 to (1) assess the nature and extent of contamination in groundwater, (2) evaluate potential contaminant migration, (3) characterize groundwater flow direction and rate, and (4) estimate aquifer parameters (conductivity and transmissivity).

A total of 28 monitoring wells are located at Site 5 (Figure 3-8). Monitoring wells CEF-5-1D and CEF-5-2D had 30-foot screened intervals and have been abandoned. The convention of assigning S (shallow), I (intermediate), or D (deep) to a well to signify its depth was maintained; however, all wells were completed in the first 57 feet bls.

Data collected from five monitoring wells (CEF-5-3S, CEF-5-4S, CEF-5-5S, CEF-5-6S, and CEF-5-7S) described in the 1991 RI/FS Workplan for OUs 1, 2, and 7 were included in this investigation (ABB-ES, 1991).

Groundwater samples were collected from all monitoring wells at OU 2 between November 1993 and January 1994. Groundwater samples were analyzed according to USEPA Contract Laboratory Program (CLP) procedures for TCL organics, TAL inorganics, TPH, and major cations and anions. Groundwater sample collection and laboratory analyses were performed in accordance with NEESA Level D requirements. Data validation was performed on all laboratory analytical results for OU 2 in accordance with USEPA Functional Guidelines (USEPA, 1991e) following USEPA Level 4 (NEESA Level D) data validation protocol. See Appendix R for results.

A total of 26 monitoring wells are located at Site 17 (Figure 3-9). Monitoring wells CEF-17-2 and CEF-17-3 had 30-foot screened intervals and were abandoned. Data from four monitoring wells (CEF-17-1S, CEF-17-4S, CEF-17-5S, and CEF-17-6S) described in the RI/FS Workplan for OUs 1, 2, and 7 (ABB-ES, 1991) were included in this evaluation.

Laboratory analyses and data validation of groundwater samples collected at Site 17 were completed as discussed above for Site 5.

3.4 BIOLOGICAL INVESTIGATION. A biological sampling program was implemented to provide information necessary for completion of the Ecological Risk Assessment and FS. The biological investigation included a wetland assessment and habitat mapping; toxicity testing of surface soil, sediment, and surface water; and an aquatic sampling field program. Each of these components is described in the following subsections. Information from the biological investigation was used

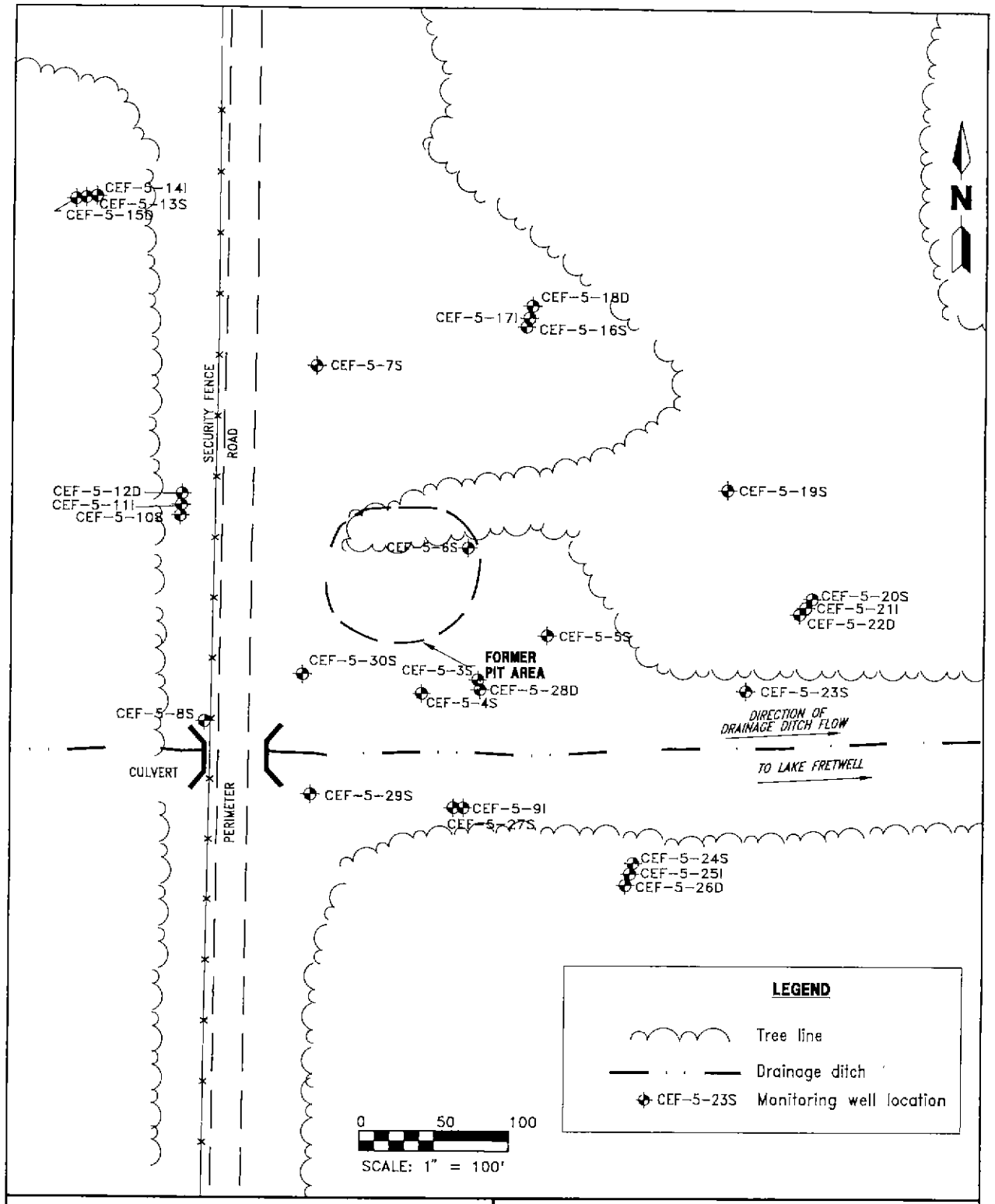

FIGURE 3-8
SITE 5, MONITORING WELL LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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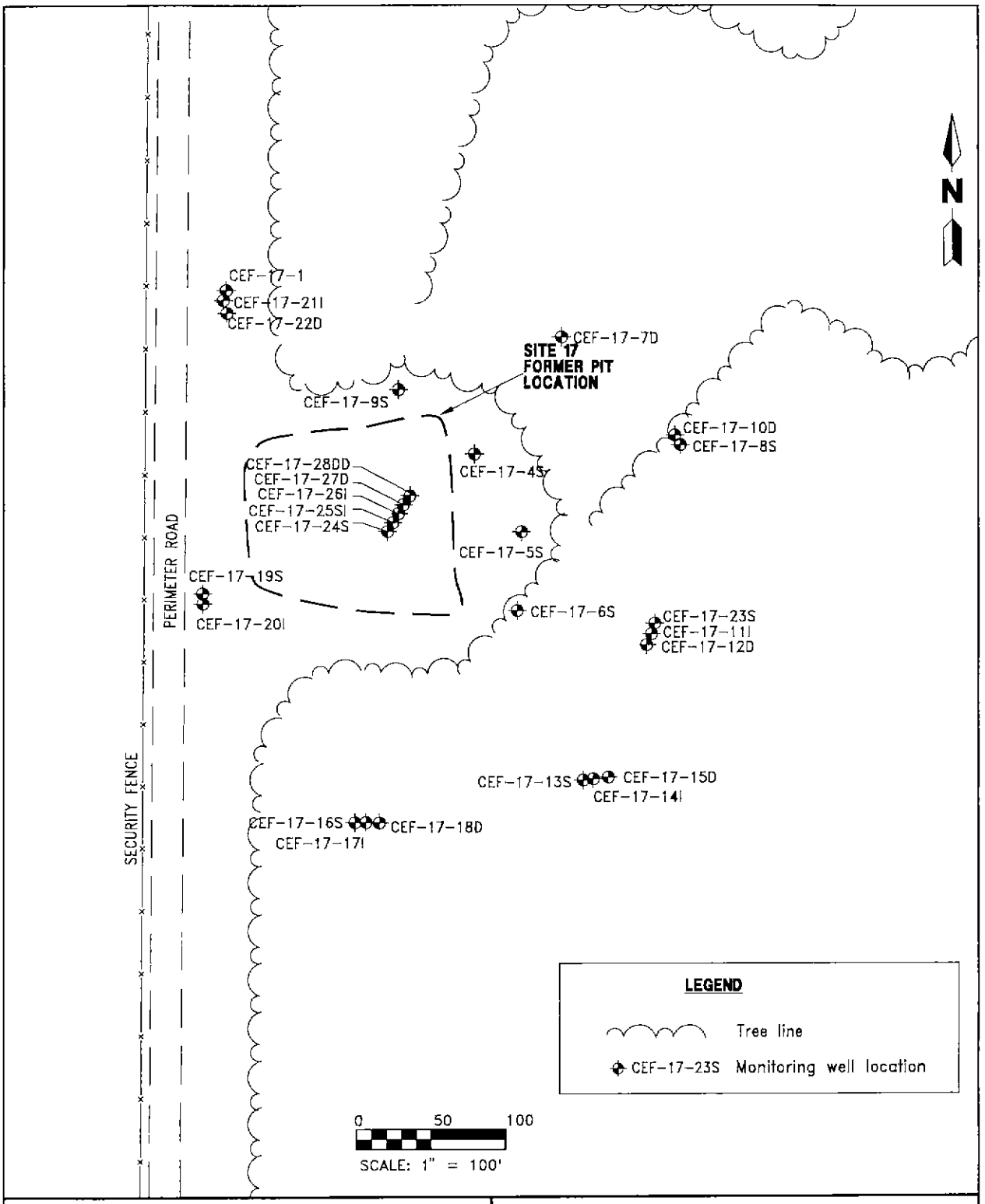

FIGURE 3-9
SITE 17, MONITORING WELL LOCATIONS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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to identify ecological receptors; characterize the ecotoxicity of contamination in surface soil, sediment, and surface water; and to identify risks in the Ecological Risk Assessment.

3.4.1 Wetlands Assessment and Habitat Mapping A Wetlands Assessment and mapping of upland vegetative communities was completed for OU 2 at NAS Cecil Field (ABB-ES, 1994a). The Wetlands Assessment included identification of wetlands on and adjacent to Sites 5 and 17, characterization of the vegetative communities, and delineation of the extent of the wetlands. Upland plant communities were also characterized and mapped. The information on vegetative cover was used in the Ecological RA to identify ecological receptors and identify exposure pathways.

3.4.2 Toxicity Testing Toxicity testing of sediment, surface water, and surface soil was completed in coordination with the sampling of these media for chemical analyses. The sediment and surface water samples for toxicity testing were collected with the samples for chemical analyses, homogenized, and split. The sediment samples were submitted for toxicity testing with two organisms, *Ceriodaphnia dubia* (a water flea) and *Hyallela azteca* (an amphipod). The methods used for toxicity testing are included as Appendix J of this document. The purposes of the toxicity testing were to determine a location-specific toxicity of sediment for aquatic receptors in the Ecological RA and to determine, if necessary, the concentrations of contaminants in the sediment at OU 2 at which no adverse effects (i.e. death) to the test organisms was observed.

The toxicity testing results for sediment are presented in Chapter 6.0 of this document.

All surface soil samples were submitted for analyses of toxicity. The toxicity of surface soil samples was evaluated by use of a subacute toxicity test with earthworms (*Eisenia foetida*) and a seed germination toxicity test with lettuce (*Lactuca sativa*). The purposes of toxicity testing of surface soil were to determine the site-specific toxicity of contamination present, to measure adverse effects (risks) for soil invertebrates and plants caused by contamination, and, if necessary, to determine a concentration of contaminant(s) in the surface soil at OU 2 at which no adverse effects (i.e., survival and reproduction) to the test populations were observed. Toxicity testing of soil is further described in Chapter 6.0.

3.4.3 Aquatic Invertebrate Sampling The aquatic field sampling completed for OU 2 included sampling of the benthic macroinvertebrate community, water quality parameters, and aquatic habitat quality parameters. The benthic macroinvertebrate community was sampled at each of the surface water and sediment sampling locations shown on Figure 3-7. The purpose of the biological investigation was to determine the status of the structure and function of the existing benthic macroinvertebrate community in the area of OU 2 and to ascertain if contaminants present at OU 2 may be having an adverse effect on the health of that community.

3.5 BACKGROUND INVESTIGATION. A sampling program was designed to characterize existing background conditions for NAS Cecil Field and to support the RI, RA, and FS for OU 2. The background monitoring network consisted of monitoring well installation and the collection of surface soil, subsurface soil, and groundwater samples. Surface water and sediment sampling was also completed over much of the

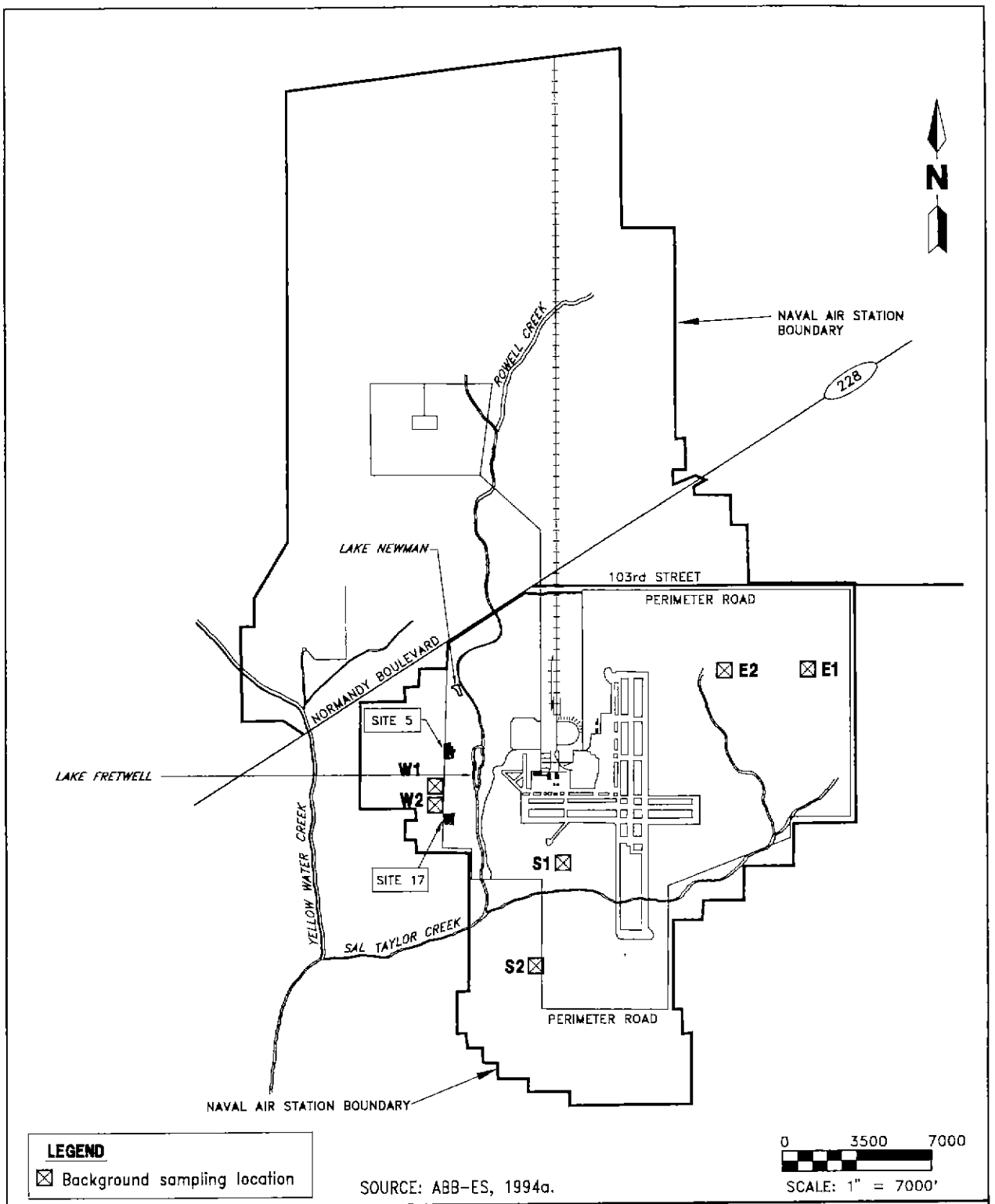

FIGURE 3-10
BACKGROUND SAMPLING LOCATIONS, SOIL AND GROUNDWATER

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drainage system for NAS Cecil Field. Figure 3-10 shows the stations included in the background sampling network. At each station, samples of groundwater, surface soil, and subsurface soil were collected for background characterization.

The objectives of the background sampling program were to: (1) develop an accurate representation of existing physical and chemical background conditions at NAS Cecil Field, (2) establish a database for these physical and chemical measurements to be used during the OU 2 investigation (and investigation of other OUs), and (3) provide permanent and representative monitoring stations in the upper and lower surficial aquifer. The establishment of existing background conditions is important for the inorganics (metals), which are naturally occurring and will be detected (at varying concentrations) in all surface soil, subsurface soil, and groundwater samples collected. Characterization of existing background conditions is also important for the interpretation of certain organic analyses, such as pesticides, naturally occurring hydrocarbons, and organic carbon.

A detailed summary of the entire background sampling program for NAS Cecil Field is contained in the RI report for OU 2 (ABB-ES, 1994a). The following sections summarize the background sampling programs for surface soil, subsurface soil, groundwater, sediment, and surface water.

3.5.1 Surface Soil Figure 3-10 shows the locations at NAS Cecil Field where background samples for surface soil were collected and submitted for chemical analyses.

Surface soil samples at the S1 location have been classified as the Arents soil type. The S1 location was used as the reference background location for OU 2 surface soil. To determine if the S1 soil samples represented soil native to the facility, the inorganic analyses in the S1 samples were compared with those in subsurface soil samples from across the facility. This statistical analysis, which used t-scores at a 95 percent confidence level (see ABB-ES, 1994a), indicated that the S1 location soil was sufficiently similar to the subsurface soil across the site. Therefore, the S1 location is considered to represent disturbed soil (as the Arents designation implies), similar to those present at Sites 5 and 17, that could be derived from within the facility by reworking existing soil from deeper depths (5 to 8 feet bls). For the purposes of the BRA, the average detected concentrations of inorganic analytes in four samples (one duplicate) collected in the Arents soil unit at S1 were used as the baseline concentrations. These baseline concentrations are shown on Table 3-1.

Concentrations of inorganic analytes in surface soil samples were compared to twice these baseline concentrations.

3.5.2 Subsurface Soil Subsurface soil samples were collected during the installation of background monitoring wells from the background monitoring network, as described in Appendix H of the RI report. Samples were collected from above the water table and from the screened interval of monitoring wells. Samples collected above the water table were analyzed for full TCL and TAL metals and other samples were only submitted for sieve or total organic carbon analysis. Table 3-2 presents the background concentrations used for the Human Health Risk Assessment (HHRA).

Table 3-1
Analytes Detected in Surface Soil Background Samples

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Background Concentration[1,2]
Volatile Organic Compounds (µg/kg)	
Phenol	0.052
bis(2-Ethylhexyl)phthalate	0.047
Di-n-butylphthalate	0.034
Inorganic Compounds (mg/kg)	
Aluminum	14,543
Arsenic	1.8
Barium	10.5
Chromium	15.6
Iron	4,030
Lead	7.8
Magnesium	237
Manganese	8.5
Nickel	3.6
Potassium	155
Vanadium	17.1

[1] Background samples locations (BSS01, BSS02, BSS03, and BSS04) are depicted on Figure 3-10 as S-1.

[2] Values presented are the average of the concentrations detected at locations BSS01, BSS02, BSS03, and BSS04.

Notes: µg/kg = micrograms per kilogram.
mg/kg = milligrams per kilogram.

Table 3-2
Inorganic Analytes Detected in Subsurface Soil Background Samples

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Background Concentration[1]
Aluminum	5,566
Arsenic	.65
Barium	6.98
Calcium	175
Chromium	7.8
Copper	1,227
Iron	1,314
Lead	7.6
Magnesium	114
Manganese	3.94
Mercury	0.55
Nickel	2.7
Potassium	73.5
Sodium	171
Vanadium	7.7
Zinc	7

[1] Background subsurface soil locations are CEFBBMS1S0, CEFBBMS1S6, CEFBBMS2S2, CEFBBMS2S6, CEFBBMS312, CEFBBMS316, CEFBBMS4S2, CEFBBMS4S4, CEFBBMS5S2, CEFBBMS5S6, CEFBBMS610, CEFBBMS616, CEFBBMS7S0, CEFBBMS7S4, CEFBBMS8S2, CEFBBMS8S6, CEFBBMS910, and CEFBBMS916.

Note: Concentrations are reported in milligrams per kilogram (mg/kg).

3.5.3 **Groundwater** A cluster of three monitoring wells locally upgradient of OU 2 was selected as the location for the collection of background groundwater samples for Site 5. The three monitoring wells (CEF-5-13S, CEF-5-14I, and CEF-5-15D), shown on Figure 3-8, are located at the western edge of Site 5. These wells were selected because they are upgradient of OU 2. Average concentrations of detected analytes in the upgradient wells for the unfiltered surficial aquifer system (CEF-5-13S and CEF-5-14I) and unfiltered intermediate aquifer system (CEF-5-15D) groundwater were used as the baseline concentrations. Concentrations of analytes in groundwater samples collected at Site 5 were compared to twice the baseline concentrations. Table 3-3 lists the baseline concentrations used for this comparison.

For Site 17, three cross-gradient monitoring wells (CEF-17-1, CEF-17-21I, and CEF-17-22D) were selected for use as background. These wells were used to establish the baseline concentrations of analytes in groundwater at Site 17. Table 3-4 lists the background concentrations of analytes in the groundwater at Site 17.

3.5.4 **Surface Water and Sediment** One location was selected as representative of conditions upstream of OU 2 for concentrations of analytes in surface water and sediment in Rowell Creek. This location was selected because it is locally upstream of OU 2 in a drainage ditch. For the purposes of the BRA, the average detected concentrations of analytes in this surface water and sediment sample was used as the baseline or upstream concentrations. These baseline concentrations are shown on Table 3-5. Concentrations of analytes in surface water and sediment samples collected at OU 2 were compared to twice this baseline concentration. Also, biological conditions at these upstream locations were compared to those encountered at OU 2 to assess effects that were attributable to contamination at OU 2. Risks associated with contamination present upstream of OU 2 and attributable to other waste sites will be addressed in the risk assessment completed for future OUs.

3.6 **DATA EVALUATION**. This section presents the methodology used to evaluate analytical data collected to support the BRA. Additionally, some considerations and uncertainties concerning specific conditions at OU 2 will be raised in Chapters 4.0 and 6.0.

The data from Sites 5 and 17 were evaluated independently to determine (1) which data were of sufficient quality for use in quantitative risk assessment, and (2) which detected chemicals were believed to be site related. Data from the RI were first compiled and sorted by environmental medium (i.e., surface soil, subsurface soil, groundwater, surface water, and sediment). Then, based on results of the data validation (only data validated based on USEPA guidelines were used in the BRA), overall quality of the data was reviewed to determine which data were of sufficient quality for use in a quantitative risk assessment. The analytical precision, accuracy, representativeness, comparability, and completeness (PARCC) of the data were used to evaluate data useability.

> Precision is a measure of the agreement or repeatability of a set of replicate results obtained from duplicate laboratory analyses of samples collected from the same location onsite. Precision was calculated from laboratory analytical data and cannot be measured directly.

Table 3-3
Inorganic Analytes Detected in Groundwater Background Samples, Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Background Concentration[1]
Aluminum	19,390
Arsenic	43.3
Barium	56
Calcium	4,023
Iron	3,787
Lead	10.2
Magnesium	2,077
Mercury	0.22
Potassium	1,623
Sodium	12,193
Vanadium	28.2
Zinc	34.3

[1] Background monitoring well locations are CEF-5-13S, CEF-5-14I, and CEF-5-15D.

Note: Concentrations are reported in micrograms per liter ($\mu g/\ell$).

Table 3-4
Inorganic Analytes Detected in Groundwater Background Samples, Site 17

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Background Concentration[1]
Aluminum	7,493
Arsenic	11.1
Barium	63.9
Calcium	17,740
Chromium	16.3
Iron	2,527
Lead	2.2
Magnesium	2,510
Manganese	33.6
Potassium	1,648
Sodium	11,393

[1] Background monitoring well locations are CEF-17-1, CEF-17-21I, and CEF-17-22D.

Note: Concentrations are reported in micrograms per liter ($\mu g/\ell$).

Table 3-5
Average Concentrations of Analytes Detected in Upstream Surface Water and Sediment Samples[1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Surface Water (µg/ℓ)	Sediment (µg/kg)
2-Butanone	–	4
Acetone	16	24
Aluminum	738	366
Barium	14.2	3
Calcium	2,470	72.1
Chromium	3.3	–
Copper	–	–
Iron	1,260	72.9
Lead	1.2	–
Magnesium	576	13.2
Manganese	9.2	0.51
Sodium	5,220	–
Zinc	40.7	0.68

[1]Upstream sample location 5-SW5/5SD5

Notes: µg/ℓ = micrograms per liter.
µg/kg = micrograms per kilogram.
– not detected.

Accuracy is a measure of the agreement between an experimental determination and the true value of the parameter being measured. Accuracy is used to identify the bias in a given measurement system (i.e., laboratory conditions, sample matrix, and sampling conditions).

Representativeness is a qualitative measure of the degree to which sample data accurately and precisely represent a characteristic environmental condition. Representativeness was evaluated using the field and laboratory quality control (QC) sample results (i.e., rinsate blanks, field blanks, trip blanks, and laboratory method blanks). Positive detections of target analytes in the QC blank samples identify contaminants that possibly were introduced to the associated environmental sample during sample collection or transport or laboratory analysis.

Comparability is a qualitative measure designed to express the confidence with which one data set may be compared with another. Factors affecting comparability are: sample collection and handling techniques, sample matrix types, and analytical method.

Completeness is defined as the percentage of measurements that are judged to be valid compared to the total number of measurements made in the laboratory. Valid useable data are values that were not qualified as rejected ("R" qualifier) during data validation. Valid useable data either have no qualifier or they are qualified with a J, U, or UJ qualifier.

Data evaluation information for Sites 5 and 17 is located in Appendix R.

Sample concentrations from Sites 5 and 17 media were compared with facility-wide background concentrations (e.g., soil) and upgradient background concentrations (e.g., surface water, sediment, and groundwater) to evaluate which contaminants may reasonably be attributed to the site.

The product of the data evaluation was a summary of useable data that was used in the quantitative risk assessments (Appendix A). In each site-specific subsection, the analytical data were used to select contaminants of potential concern (CPCs) on which the assessments were conducted.

4.0 HUMAN HEALTH RISK ASSESSMENT

4.1 HUMAN HEALTH RISK ASSESSMENT METHODOLOGY. The HHRA was conducted according to both Federal and USEPA Region IV guidelines including:

- Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual, Part A (USEPA, 1989a);
- Supplemental Region IV Risk Assessment Guidance (USEPA, 1991d);
- Exposure Factors Handbook (USEPA, 1989c); and
- Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors (USEPA, 1991b).

The purpose of the HHRA is to characterize the risks, both current and future, associated with potential exposures to site-related contaminants at OU 2. The HHRA is composed of five parts: (1) data evaluation and summarization, (2) identification of HHCPCs, (3) an exposure assessment covering both present and future uses of the site, (4) a toxicity assessment of HHCPCs, and (5) a risk characterization with an uncertainty analysis.

4.1.1 Data Evaluation and Summarization Validated data were evaluated for sufficient quality for use in a quantitative risk assessment. The analytical PARCC (Appendix R) of the data was evaluated to determine data useability. Generally, rejected data were excluded from the BRA. The analytical methods used for quantitation limits of all samples were reviewed for appropriateness for quantitative use in a baseline risk assessment. Samples with elevated quantitation limits or rejected values were identified and their significance to the risk assessment was evaluated. Analytes that were not detected in any of the media at least once were not considered in the baseline risk assessment.

To identify naturally occurring inorganic analytes at the site, sample concentrations were compared with background concentrations. Following USEPA Region IV guidance (USEPA, 1991d), analytes detected at concentrations less than twice a representative background concentration were considered consistent with natural background conditions at the site.

The result of data evaluation is a compilation of useable data for the HHRA. HHCPCs are then selected from the usable data.

4.1.2 Identification of Human Health Contaminants of Potential Concern (HHCPCs) HHCPCs are selected from all analytes detected at the site, in all media, based on concentration, frequency of detection, physical and toxicological properties, comparison to background, and USEPA medium-specific screening criteria.

In selecting CPCs for human health RA, the following USEPA criteria have been used (USEPA, 1989a). For each site, analytes identified as HHCPCs were:

- positively identified in at least one sample,
- detected at levels significantly elevated above blank concentrations,

- detected at levels significantly elevated above background levels (inorganics only), and

- parent compounds or transformation products of other HHCPCs.

Chemicals that do not contribute significantly to human health risks are removed or "screened" from further consideration as HHCPCs, as recommended by USEPA (1991d). Analytes are excluded as HHCPCs if they meet any one of the following criteria.

1. If maximum detected concentration is less than twice the arithmetic mean of the background concentration (inorganics only) (USEPA, 1991d) the analyte is excluded.

2. If the maximum detected concentration is less than the corresponding USEPA Region III Risk Based Concentration (RBCs) corresponding to excess lifetime cancer risks of $1x10^{-6}$ or a hazard quotient (HQ) of 0.1 the analyte is excluded. The Region III RBC table (March 18, 1994) is provided in Appendix B. Updated values from the April 20, 1994, Region III RBC Table (USEPA, 1994c) were used in the screening process.

   For soil RBCs, a residential exposure scenario was assumed. No RBC was available for lead in soil due to lack of toxicity data. Based on a USEPA recommendation, a target level for cleanup at Superfund sites of 400 mg/kg was used as the RBC for lead in soil (USEPA, 1994e).

   For groundwater and surface water, "tap water" RBCs are used for screening purposes. No RBC was available for lead in groundwater, therefore the treatment technology standard of 15 $\mu g/\ell$ was used as a surrogate.

3. If the frequency of detection is less than 5 percent and the analyte is detected in only one media the analyte is excluded. Before any chemical is eliminated based on frequency of detection, the chemical is reviewed to evaluate its significance to the risk assessment. This process avoids the elimination of hot spots from the risk assessment.

After applying these criteria using professional judgement, medium-specific CPCs for human health are identified. Chemicals not identified as HHCPCs are clearly identified in tables and the justification for their exclusion noted. Analyte concentrations are compared to Federal and Florida maximum contaminant levels (MCLs) before exclusion from the risk assessment (USEPA, 1994a; Florida Legislature, 1993a; 1993b). These MCLs are provided in Table 4-1.

Appendix S of this document addresses the use of Florida criteria for soil and groundwater in the selection of HHCPCs. This appendix identifies those chemicals which were screened out of the risk assessment based on USEPA Region III RBC values, but would have been retained in the risk assessment had the Florida values been used in the HHCPC selection process.

4.1.3 **Human Health Exposure Assessment** Exposure assessment estimates the types and magnitudes of potential human exposure to HHCPCs. This process involves four steps:

- characterization of the exposure setting,

Table 4-1
Summary of Federal and State Drinking Water Standards for Compounds Detected in Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Federal MCL (mg/ℓ)[1]	State MCL (mg/ℓ)[2]
1,1,1-Trichloroethane	0.2	0.2
1,1-Dichloroethane	ND	ND
1,2-Dichloroethene	0.07	0.07
2,4-Dimethylphenol	ND	ND
2-Butanone	ND	ND
2-Hexanone	ND	ND
2-Methylnaphthalene	ND	0.1[3,4]
2-Methylphenol	ND	ND
4-Methylphenol	ND	ND
4-Methyl-2-pentanone	ND	ND
Acetone	ND	ND
alpha-HCH	ND	ND
Aluminum	ND	ND
Antimony	0.006	0.006
Arsenic (as carcinogen)	0.05	0.05
Barium	2.0	2.0
Benzene	0.005	0.001
Beryllium	0.004	0.004
beta-HCH	ND	ND
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	0.004
Cadmium	0.005	0.005
Calcium	ND	ND
Chromium (total)	0.1	0.1
Cobalt	ND	ND
Copper	ND	ND
Di-n-butylphthalate	ND	ND
Diethylphthalate	ND	ND
Endosulfan II	ND	ND
Ethylbenzene	0.7	0.7
Iron	ND	ND
Lead	ND	0.015
Magnesium	ND	ND
Manganese	ND	ND
Mercury	0.002	0.002
Methylene chloride	0.005	0.005

See notes at end of table.

Table 4-1 (Continued)
Summary of Federal and State Drinking Water Standards for Compounds Detected in Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Federal MCL (mg/ℓ)[1]	State MCL (mg/ℓ)[2]
Naphthalene	ND	0.1[3,4]
Nickel (soluble salts)	0.1	0.1
Phenol	ND	ND
Potassium	ND	ND
Selenium	0.05	0.05
Sodium	ND	ND
Tetrachloroethene	0.005	0.003
Toluene	1.0	1.0
Trichloroethene	0.005	0.003
Vanadium	ND	ND
Xylenes (total)	10	10
Zinc	ND	ND

[1] USEPA, 1994a, Drinking Water Regulations and Health Advisories, Office of Water, May.
[2] Chapter 17-550, Florida Administrative Code (FAC), Safe Drinking Water Act, January.
[3] Standard indicated is the cleanup criteria for the sum of naphthalene and methylnaphthalene
[4] Chapter 17-770, FAC, Petroleum Contamination Site Cleanup Criteria, February.

Notes: mg/ℓ = milligrams per liter.
ND = no data; that is, no drinking water standard is available.
HCH = hexachlorocyclohexane (commonly named BHC).

- identification of exposure pathways,
- construction of exposure scenarios, and
- quantification of exposures.

4.1.3.1 **Characterization of Exposure Setting** The physical characteristics of the site and the nature of the surrounding populations were evaluated to provide a basis for assessing potential exposures. Important site characteristics that may influence human contact with site contaminants include surface conditions, soil type, degree of vegetative cover, climate, geology, and conditions that affect the migration of contaminants such as speed and direction of groundwater flow.

Population characteristics evaluated included the location of current populations relative to the site and the daily activities of these populations. The presence and location of potentially sensitive subpopulations, such as children or elderly, were also evaluated.

4.1.3.2 **Identification of Exposure Pathways** This step involves the identification of all relevant exposure pathways through which specific populations may be exposed (current and future) to contaminants at the site. An exposure pathway consists of four necessary elements: a source or mechanism of chemical release, a transport or retention medium, a point of human contact, and a route of exposure at the point of contact (USEPA, 1989a).

The first step in defining potential exposure pathways is to identify all sources of contamination (i.e., surface water, groundwater, and surface soil). Once sources are identified, relevant fate and transport mechanisms are evaluated to predict current and potential future exposures. Population characteristics are then used to identify where people may contact contaminated media and the possible routes of exposure (i.e., inhalation, ingestion, and dermal absorption). The presence of potentially sensitive subpopulations, such as children or elderly, was assumed. The populations evaluated in this risk assessment, and the media to which they may be exposed, are provided in the site conceptual model in Figure 4-1. The five potentially exposed populations were residents, both child and adult; trespassers, both child and adult; site worker; occupational worker; and excavation worker as presented in Table 4-2.

Trespasser and site worker scenarios represent current land use. The residential scenarios represent future land use because the land and groundwater are not currently in residential use but could potentially be used in the future. The excavation and occupational worker is also considered future land use.

The source of contamination or the initial receiving medium is usually the soil. Migration of contaminants from soil occurs through several different mechanisms. Analytes may accumulate in plants and animals that are in contact with soil or are in food chains that include biota in direct contact with soil. Mechanisms for migration into air include volatilization (primarily volatile organic compounds [VOCs]) and wind erosion of contaminated soil (all types of contaminants). Overland flow of water can result in migration of contaminants to surface water bodies and sediment. This process can also lead to relocation of the contaminants to other surface soil. Infiltration can result in migration into subsurface soil and into groundwater. Analytes can theoretically be transported in groundwater (primarily soluble VOCs, semivolatile organic compounds [SVOCs], and inorganics) and may potentially also discharge to surface water.

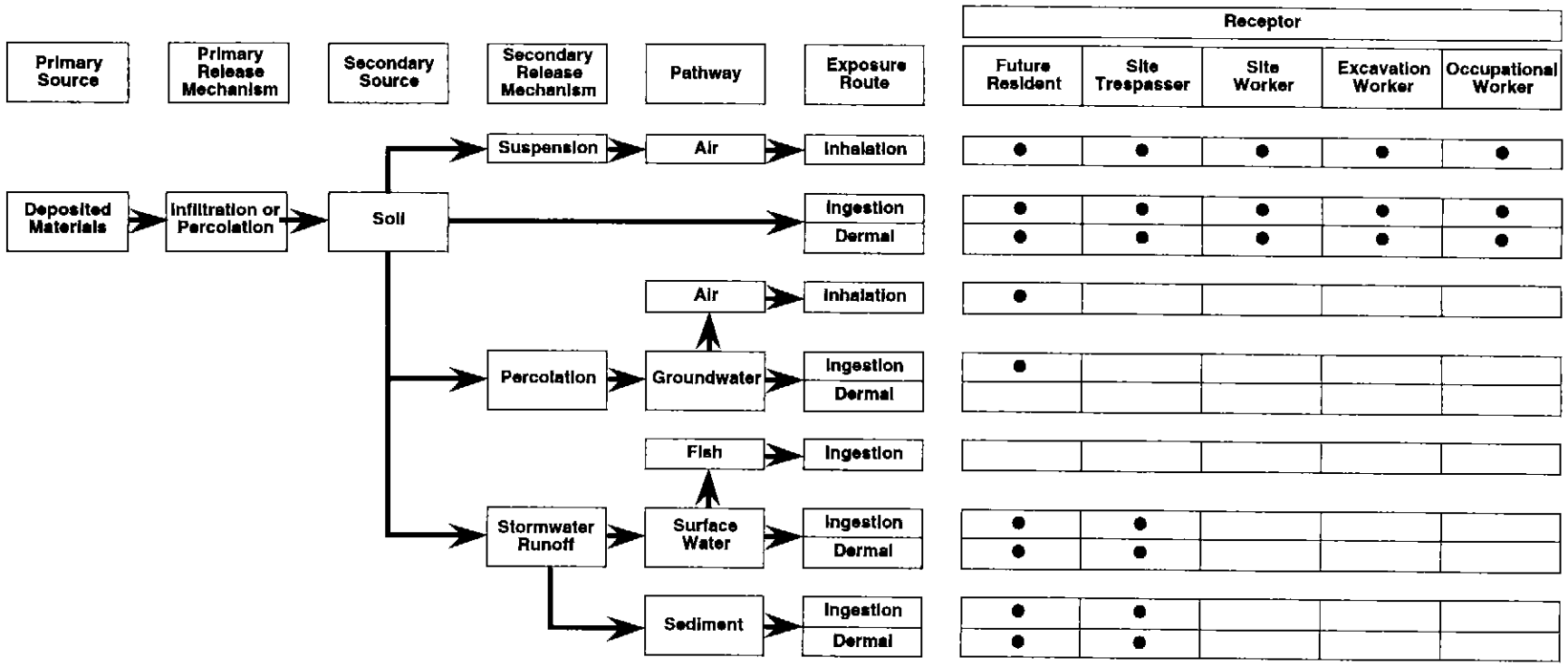

FIGURE 4-1

COMPLETE EXPOSURE PATHWAYS FOR HUMAN RECEPTORS, OPERABLE UNIT 2

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

8500-12 Baseline RA 940919WEM

Table 4-2
Complete Exposure Pathways Listed by Exposure Scenario

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Exposure Medium, Exposure Route	Operable Unit 2 Exposure Scenarios						
	Site Worker (adult)	Excavation Worker (adult)	Occupational Worker (adult)	Adult Resident	Child Resident	Adult Trespasser	Child Trespasser
Surface Soil							
Incidental ingestion	X	X	X	X	X	X	X
Dermal contact	X	X	X	X	X	X	X
Inhalation of particulates	X	X	X	X	X	X	X
Subsurface Soil							
Incidental ingestion		X					
Dermal contact[1]		X					
Inhalation of particulates		X					
Groundwater							
Ingestion				X			
Inhalation of shower vapors[2]				X			
Surface Water[3]							
Incidental ingestion				X	X	X	X
Dermal contact				X	X	X	X
Sediment[3]							
Incidental ingestion				X	X	X	X
Dermal contact[1]				X	X	X	X

[1] The intake of dermal contact with soil, sediment, and surface water was based on dermal guidance (U.S. Environmental Protection Agency [USEPA], 1992a) for children to account for changing surface areas and bodyweights to estimate the milligrams (mg) (or microgram [μg]) of contaminant passing the skin per exposure event. The approach for the adult exposures will follow the dermal guidance based on the surface area remaining constant. As per USEPA guidance (USEPA, 1993b), dermal contact will not be evaluated for groundwater exposure.

[2] Inhalation of volatiles resulting from showering.

[3] A wading scenario will be completed for surface water exposure because of fluctuating water levels in Rowell Creek (and consistently low water levels in the tributary area) it would be unlikely that total body immersion while swimming would take place with any repeated frequency.

4.1.3.3 **Exposure Point Concentrations** HHCPC concentrations often vary widely over a site and it would be futile to estimate health risks associated with exposure to all HHCPCs at every concentration detected at the site. Therefore, a single HHCPC concentration was selected as representative of the actual concentrations in a given medium over the entire site. This value, called the exposure point concentration (EPC), was used in the estimates of health risks at the site. An EPC was selected for every HHCPC identified in the screening process described in Section 4.1.2.

Due to the role of EPCs in deciding human health risks, USEPA has issued specific guidance on the EPC determination process (USEPA, 1989a). This guidance states the EPC is the lesser of the maximum detected concentration at the site or the 95 percent upper confidence limit (UCL) of the arithmetic mean, assuming a log-normal distribution of concentrations. The following equation was used to calculate the UCL on the arithmetic mean (USEPA, 1991d; 1992e):

$$UCL = e^{\left(\bar{x} + 0.5\, s^2 + \frac{sH}{\sqrt{n-1}}\right)} \qquad (1)$$

where

UCL	=	95 percent upper confidence limit of estimated mean,
e	=	constant (base of natural log, equal to 2.718),
x	=	arithmetic mean of log-transformed data,
s	=	standard deviation of log-transformed data,
H	=	H-statistic (Gilbert, 1987), and
n	=	number of samples.

In calculating the 95 percent UCLs, non-detections were assigned a concentration equal to one-half the contract required quantitation limit (CRQL) or contract required detection limit (CRDL) for organics and inorganics, respectively. In cases where there are two or fewer detected samples, the UCL was not calculated and the EPC was equal to the maximum detected concentration.

4.1.3.4 **Quantification of Exposures** The next step was to calculate HHCPC intakes, via each exposure pathway, for each of the potentially exposed populations. For individual potentially exposed populations, population-related variables describe the characteristics associated with individual receptors in that population. For example, intake is dependent upon contact rate, age, body weight, body surface area, exposure frequency, exposure duration, and averaging time. When possible, variables such as age, body weight, and body surface area were selected from USEPA guidance documents including: Standard Default Exposure Factors (USEPA, 1991b), Dermal Exposure Assessment Principles and Applications (USEPA, 1992a), and the Exposure Factors Handbook (USEPA, 1989c).

The general equation for calculating chemical intake from the various media is:

$$Intake\ (mg/kg\text{-}day) = \frac{[C \times CR \times EF \times ED \times CF]}{[BW \times AT]} \qquad (2)$$

where

C = chemical concentration, media specific;
CR = contact rate, media specific;

EF = exposure frequency, population specific;
ED = exposure duration, population specific;
CF = conversion factor, media specific;
BW = body weight of hypothetically exposed individual; and
AT = averaging time (for carcinogens, AT=70 years times 365 days per year; for noncarcinogens, AT=ED times 365 days per year).

The specific equations and parameter values used for calculating intakes from the various media at OU 2 are provided in Appendix C (Table C-1 to C-10), Appendix D, and in the risk calculation spreadsheets in Appendix F. Some of the exposure pathways require additional calculations before intake values can be calculated. Following are brief explanations of the additional calculations required for the inhalation of particulates, inhalation of vapors while showering, and dermal absorption.

Inhalation of Particulates from Soil This evaluation has been conducted to estimate levels of site contaminants that would occur in ambient air as a result of wind erosion at NAS Cecil Field, OU 2. To estimate atmospheric concentrations of fugitive air contaminants, a three step modeling process was conducted. In the first step, respirable particle-phase emission rates were calculated. In the second, contaminant emission rates on a unit surface area basis were calculated. In the third phase, downwind ambient concentrations were estimated using air dispersion modeling. The three step process is further defined in Appendix D (Section D-1).

Inhalation of Vapors while Showering For this exposure scenario, the contaminant concentration in air must be estimated based on release rates of volatiles from shower water. After reviewing the literature, the model selected to predict indoor (bathroom) concentrations was that presented by Foster and Chrostowski (1987). This theoretical approach was based on the experimental work of Andelman (1985). Andelman measured air concentrations of trichloroethene and chloroform in a bench scale shower assembly. Foster and Chrostowski (1987) developed a model from these experimental data. The input parameters were modified from the bench scale design to be representative of a typical bathroom. The specific equations used to determine concentrations of contaminants in bathroom air are presented in Appendix D (Section D-2).

Dermal Absorption from Water The absorbed dose was calculated per the USEPA *Dermal Exposure Assessment: Principles and Applications*, Interim Report, (USEPA, 1992a). The permeability constant approach was used for dermal exposures to contaminants in water. These models apply only to absorption from water. For inorganic chemicals, steady-state conditions and the permeability of water constant was assumed for all analytes. For organic compounds, a non-steady-state model was used. It employs a dermal permeability constant estimated from the compound's octanol-water partition coefficient. A further description of the process used to determine absorption of contaminants from water can be found in Appendix D (Section D-3).

Dermal Absorption from Soil The absorbed dose was calculated per the USEPA *Dermal Exposure Assessment: Principles and Applications*, Interim Report, (USEPA, 1992a). Percutaneous absorption of chemicals in soil is chemical dependent and matrix dependent. According to USEPA Region IV guidance (USEPA, 1992f), absorption factors used in this risk assessment for organics and inorganics were 0.1 percent and 0.01 percent, respectively. A soil adherence factor of 1 milligram per square

centimeter (mg/cm^2) per event was used in the dermal intake equations. The equations used to describe dermal absorption from soil are located in Appendix D (Section D-4).

4.1.4 **Toxicity Assessment** The toxicity assessment evaluates the available evidence on the potential adverse effects associated with exposure to each analyte. With this information, a relationship between the extent of exposure and the likelihood or severity of adverse human health effects is developed. Two steps are typically associated with toxicity assessment: hazard identification and dose-response assessment.

Hazard identification determines if exposure to an agent can cause a particular adverse health effect and, more importantly, if that effect will occur in humans. Characterizing the nature and strength of causation is also a part of the hazard identification step. For a number of the chemicals at hazardous waste sites, potential toxic effects have already been identified. Toxicity profiles for the contaminants detected at OU 2 can be found in Appendix E.

A dose-response assessment was conducted to characterize and quantify the relationship between intake, or dose, of a HHCPC and the likelihood of a toxic effect, or response. There are two major types of toxic effects evaluated in this risk assessment: carcinogenic and noncarcinogenic. Following USEPA guidance (USEPA, 1989a), these two endpoints were evaluated separately in this risk assessment.

Information on toxicity for the majority of HHCPCs at the site has been gathered and analyzed by USEPA. For carcinogens, USEPA weight of evidence classifications and numerical toxicity factors have been developed and extensively peer reviewed. Several sources contain the toxicity information: Integrated Risk Information System (IRIS), Health Effects Assessment tables (HEAST), and ATSDR Toxicology Profiles.

Toxicity factors for carcinogenic analytes include current slope factors and weight of evidence classifications for all carcinogens. For confirmed human carcinogens (USEPA Class A), the cancer type observed in exposed humans was also identified.

Cancer Toxicity Values. The Cancer Slope Factor (CSF) is a chemical-specific toxicity value developed by the USEPA Carcinogenic Assessment Group (CAG) based upon the dose of a chemical and the probability of a carcinogenic response. The Unit Risk, a toxicity value developed by the USEPA, is an estimate of the relationship between the inhaled concentration of a chemical and the probability of a carcinogenic response during the lifetime of the individual.

As required by USEPA Region IV guidance (USEPA, 1991d), risks associated with dermal exposures (most commonly for soil and water dermal contact) are evaluated using CSFs that are specific to dermally absorbed doses. Most oral CSFs are based on administered dose rather than the absorbed dose (trichloroethene's CSF is a notable exception). It is, therefore, necessary to adjust toxicity values that are based on administered doses so that they can be used for evaluation of absorbed doses. For dermal exposures, the toxicity values are adjusted as follows:

$$CSF_{adjusted} = \frac{CSF_{oral}}{ABSEFF_{oral}} \quad (3)$$

where $ABSEFF_{oral}$ is the absorption efficiency in the study that is the basis of the oral toxicity value.

If there is no information available on oral absorption efficiency, the conservative default values (USEPA, 1993a) of 80 percent for volatiles, 50 percent for SVOCs, and 20 percent for inorganics are used.

The oral CSFs, inhalation CSFs and unit risks, and dermal CSFs for the carcinogenic HHCPCs analyzed in this document are provided in Tables 4-3 through 4-5.

Non-cancer Toxicity Values. The Reference Dose (RfD) is an estimate (with uncertainty spanning an order of magnitude or more) of a daily intake for the human population, including sensitive subpopulations, that is likely to be without appreciable risk of deleterious effects during a lifetime. Noncarcinogenic risks due to inhalation are estimated in a similar fashion by comparing the inhalation concentration (IC) to the inhalation correlate of the RfD, the reference concentration (RfC).

As required by USEPA Region IV guidance (USEPA, 1991d), risks associated with dermal exposures (most commonly for soil and water dermal contact) are evaluated using RfDs that are specific to absorbed doses. Most oral RfDs are based on an administered dose rather on an absorbed dose. It is, therefore, necessary to adjust toxicity values that are based on administered doses so that they can be used for evaluation of absorbed doses. For dermal exposures, we adjust the toxicity values as follows:

$$RfD_{adjusted} = RfD_{oral} \times ABSEFF_{oral} \quad (4)$$

where $ABSEFF_{oral}$ is the absorption efficiency in the study that is the basis of the oral toxicity value.

If there is no information available on oral absorption efficiency, the conservative default values (USEPA, 1993a) of 80 percent for volatiles, 50 percent for SVOCs, and 20 percent for inorganics are used.

Separate sets of RfDs have been developed for several chemicals for evaluating chronic and subchronic exposures. When available, subchronic RfDs were used for evaluating exposures with a duration less than 7 years but more than 2 weeks. Chronic RfDs were used when subchronic values were unavailable and when the exposure duration was greater than 7 years. One exception to this rule is the resident child. Even though the exposure duration is 6 years, chronic RfDs were used with this scenario. There are no analogous reference values for evaluating acute exposures, those lasting less than 2 weeks.

The oral RfDs, inhalation RfCs, and dermal RfDs are provided in Tables 4-6 through 4-8. Other relevant information such as the critical study on which the RfD is

Table 4-3
Oral Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Oral Slope Factor (mg/kg-day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Volatile Organic Compounds							
1,2-Dichloroethylene (total)	D	NE					
2-Hexanone	D	NE					
Acetone	D	NE					
Benzene	A	2.9×10^{-2}	IRIS	Human	Inhalation	Leukemia	IRIS
Methylene chloride	B2	7.5×10^{-3}	IRIS	Mouse	Inhalation and oral-drinking water	Liver	IRIS
Tetrachloroethene	B2	5.2×10^{-2}	(1)				
Toluene	D	NE					
Trichloroethene	B2	1.1×10^{-2}	(1)				
Semivolatile Organic Compounds							
2,4-Dimethylphenol	D	NE					
2-Methylnaphthalene	D	NE					
2-Methylphenol	D	NE					
4-Methylphenol	C	NE					
Acenaphthylene	D	NE					
Acenaphthene	D	NE					
Anthracene	D	NE					
Benzo(a)anthracene	B2	7.3	(2)				
Benzo(a)pyrene	B2	7.3	IRIS	Mouse	Oral-diet	Forestomach	IRIS
Benzo(b)fluoranthene	B2	7.3	(2)				
Benzo(g,h,i)perylene	D	NE					
Benzo(k)fluoranthene	B2	7.3	(2)				

See notes at end of table.

Table 4-3 (Continued)
Oral Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Oral Slope Factor (mg/kg-day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Semivolatile Organic Compounds—continued							
bis(2-Ethylhexyl)phthalate	B2	1.4×10^{-2}	IRIS	Rat	Oral-diet	Liver	IRIS
Chrysene	B2	7.3	([2])				
Dibenzofuran	D	NE					
Dibenz(a,h)anthracene	B2	7.3	([2])				
Fluoranthene	D	NE					
Fluorene	D	NE					
Indeno(1,2,3-c,d)pyrene	B2	7.3	([2])				
Naphthalene	D	NE					
Phenanthrene	D	NE					
Pyrene	D	NE					
Pesticides and PCBs							
alpha-HCH	B2	6.3	IRIS	Mouse	Oral-diet	Liver	IRIS
alpha-Chlordane	B2	1.3	IRIS[3]	Mouse	Oral-diet	Liver	IRIS
Aroclor-1260	B2	7.7	IRIS	Rat	Oral-diet	Liver	IRIS
beta-BHC	C	1.8	IRIS	Mouse	Oral-diet	Liver	IRIS
Inorganic Compounds							
Aluminum	D	NE					
Antimony	D	NE					
Arsenic	A	1.75	IRIS[4]	Human	Oral-drinking water	Skin	IRIS
Barium	D	NE					
Beryllium	B2	4.3	IRIS	Rat	Oral-drinking water	Total	IRIS
Cadmium	D	NE					

See notes at end of table.

Table 4-3 (Continued)
Oral Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Oral Slope Factor (mg/kg-day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Inorganic Compounds--continued							
Calcium	D	NE					
Chromium	D	NE					
Iron	D	NE					
Lead	B2	NE					
Magnesium	D	NE					
Manganese	D	NE					
Mercury	D	NE					
Potassium	D	NE					
Selenium	D	NE					
Sodium	D	NE					
Thallium	D	NE					
Vanadium	D	NE					

[1] This value was provided by the Environmental Criteria and Assessment Office (ECAO) of the USEPA in response to a specific request.
[2] The ingestion slope factor for benzo(a)pyrene was used as a surrogate for all polynuclear aromatic hydrocarbons (PAHs) classified as A or B carcinogens and for which a chemical-specific slope factor was not available.
[3] The values for Chlordane have been used as surrogates for alpha- and gamma-Chlordane.
[4] The ingestion slope factor for arsenic has been calculated from the drinking water unit risk of 5×10^{-5} per micrograms per liter ($\mu g/\ell$).

Notes: Weight of Evidence (route-specific):
- A = human carcinogen.
- B = probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence).
- C = possible human carcinogen.
- D = not classifiable as to human carcinogenicity.

mg/kg-day)(-1) = milligrams per kilogram per day(-1).
NE = not evaluated.
IRIS = Integrated Risk Information System on-line database search, current as of June 1994.
PCBs = polychlorinated biphenyls.

Table 4-4
Inhalation Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Inhalation Slope Factor (mg/kg-day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Volatile Organic Compounds									
1,2-Dichloroethylene (total)	D	NE		NE					
2-Hexanone	D	NE		NE					
Acetone	D	NE		NE					
Benzene	A	2.9×10^{-2}	HEAST	8.3×10^{-6}	IRIS	Human	Inhalation	Leukemia	IRIS
Methylene chloride	B2	NE		4.7×10^{-7}	IRIS	Mouse	Inhalation	Liver	IRIS
Tetrachloroethene	B2	2×10^{-3}	(1)	5.8×10^{-7}	(1)				
Toluene	D	NE		NE					
Trichloroethene	B2	6×10^{-3}	(1)	1.7×10^{-6}	(1)				
Semivolatile Organic Compounds									
2,4-Dimethylphenol	D	NE		NE					
2-Methylnaphthalene	D	NE		NE					
2-Methylphenol	D	NE		NE					
4-Methylphenol	C	NE		NE					
Acenaphthene	D	NE		NE					
Acenaphthene	D	NE		NE					
Anthracene	D	NE		NE					
Benzo(a)anthracene	B2	NE		NE					
Benzo(a)pyrene	B2	NE		NE					
Benzo(b)fluoranthene	B2	NE		NE					
Benzo(g,h,i)perylene	D	NE		NE					
Benzo(k)fluoranthene	B2	NE		NE					
bis(2-Ethylhexyl)phthalate	D	NE		NE					

See notes at end of table.

Table 4-4 (Continued)
Inhalation Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Inhalation Slope Factor (mg/kg-day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Semivolatile Organic Compounds--continued									
Chrysene	B2	NE		NE					
Dibenzofuran	D	NE		NE					
Dibenz(a,h)anthracene	B2	NE		NE					
Fluoranthene	D	NE		NE					
Fluorene	D	NE		NE					
Indeno(1,2,3-c,d)pyrene	B2	NE		NE					
Naphthalene	D	NE		NE					
Phenanthrene	D	NE		NE					
Pyrene	D	NE		NE					
Pesticides and PCBs									
alpha-HCH	B2	6.3	HEAST	1.8×10^{-3}	IRIS	Mouse	Oral-diet	Liver	IRIS
alpha-Chlordane	B2	1.3	HEAST[2]	3.7×10^{-4}	IRIS[2]	Mouse	Oral-diet	Liver	IRIS
Aroclor-1260	B2	NE		NE					
beta-HCH	C	1.8	HEAST	5.3×10^{-4}	IRIS	Mouse	Oral-diet	Liver	IRIS
Inorganic Compounds									
Aluminum	D	NE		NE					
Antimony	D	NE		NE					
Arsenic	A	5×10^{1}	HEAST	4.3×10^{-3}	IRIS	Human	Inhalation	Lung	IRIS
Barium	D	NE		NE					
Beryllium	B2	8.4	HEAST	2.4×10^{-3}	IRIS	Human	Inhalation	Lung	IRIS
Cadmium	B1	NE		1.8×10^{-3}	IRIS	Human	Inhalation	Lung	IRIS
Calcium	D	NE		NE					
Chromium	A	4.1×10^{1}	HEAST[3]	1.2×10^{-2}	IRIS[3]	Human	Inhalation	Lung	IRIS

See notes at end of table.

Table 4-4 (Continued)
Inhalation Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Weight of Evidence	Inhalation Slope Factor (mg/kg-day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Inorganic Compounds--continued									
Iron	D	NE		NE					
Lead	D	NE		NE					
Magnesium	D	NE		NE					
Manganese	D	NE		NE					
Mercury	D	NE		NE					
Potassium	D	NE		NE					
Selenium	D	NE		NE					
Sodium	D	NE		NE					
Thallium	D	NE		NE					
Vanadium	D	NE		NE					

[1] This value was provided by the Environmental Criteria and Assessment Office (ECAO) of the USEPA in response to a specific request.
[2] The values for Chlordane have been used as surrogates for alpha- and gamma-Chlordane.
[3] The toxicity values for chromium are based on chromium VI.

Notes: Weight of Evidence (route-specific):
A = human carcinogen.
B = probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence).
C = possible human carcinogen.
D = not classifiable as to human carcinogenicity.

mg/kg-day)(-1) = milligrams per kilogram per day(-1).
$\mu g/m^3$ = micrograms per cubic meter.
NE = not evaluated.
IRIS = Integrated Risk Information System on-line database search, current as of June 1994
HEAST = Health Effects Assessment Summary Tables, current as of November 1993.

Table 4-5
Dermal Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency (%)	Reference	Dermal Slope Factor (mg/kg-day)-1
Volatile Organic Compounds					
1,2-Dichloroethylene (total)	D	NE	100	(1)	NE
2-Hexanone	D	NE			NE
Acetone	D	NE	100	ATSDR, 1992	NE
Benzene	A	2.9×10^{-2}		(2)	2.9×10^{-2}
Methylene chloride	B2	7.5×10^{-3}	100	McKenna and Zempel, 1981	7.5×10^{-3}
Tetrachloroethene	B2	NE	100	Pegg and others, 1979	NE
Toluene	D	NE	100	Smith and others, 1954	NE
Trichloroethene	B2	1.1×10^{-2}	100	Prout and others, 1985	1.1×10^{-2}
Semivolatile Organic Compounds					
2,4-Dimethylphenol	D	NE			NE
2-Methylnaphthalene	D	NE			NE
2-Methylphenol	D	NE			NE
4-Methylphenol	C	NE	95	(3)	NE
Acenaphthylene	D	NE			NE
Acenaphthene	D	NE	91	(4)	NE
Anthracene	D	NE	91	(4)	NE
Benzo(a)anthracene	B2	7.3	91	(4)	8.02
Benzo(a)pyrene	B2	7.3	91	Hecht and others, 1979	8.02
Benzo(b)fluoranthene	B2	7.3	91	(4)	8.02
Benzo(g,h,i)perylene	D	NE			NE
Benzo(k)fluoranthene	B2	7.3	91	(4)	8.02
bis(2-Ethylhexyl)phthalate	B2	1.4×10^{-2}	100	Chadwick and others, 1982	1.40
Chrysene	B2	7.3	91	(4)	8.02
Dibenzofuran	D	NE			NE
Dibenz(a,h)anthracene	B2	7.3	91	(4)	8.02
Fluoranthene	D	NE	91	(4)	NE
Fluorene	D	NE	91	(4)	NE

See notes at end of table.

Table 4-5 (Continued)
Dermal Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency (%)	Reference	Dermal Slope Factor (mg/kg-day)-1
Semivolatile Organic Compounds--continued					
Indeno(1,2,3-c,d)pyrene	B2	7.3	91	([4])	8.02
Naphthalene	D	NE	100	Chang, 1943	NE
Phenanthrene	D	NE	91	([4])	NE
Pyrene	D	NE	91	([4])	NE
Pesticides and PCBs					
alpha-HCH	B2	6.3			
alpha-Chlordane	B2	1.3	80	([5])	1.63
Aroclor-1260	B2	7.7	90	Albro and Fishbein, 1972	8.56
beta-HCH	C	1.8			
Inorganic Compounds					
Aluminum	D	NE			NE
Antimony	D	NE	1	ATSDR, 1991a	NE
Arsenic	A	1.75	98	Vahter, 1983	1.79
Barium	D	NE	7	ATSDR, 1991c	NE
Beryllium	B2	4.3	1	Owen, 1990	4.3×10^2
Cadmium	D	NE	1	McLellan and others, 1978	NE
Calcium	D	NE			NE
Chromium	D	NE	11	Ogawa, 1976	NE
Iron	D	NE			NE
Lead	B2	NE			NE
Magnesium	D	NE			NE
Manganese	D	NE	4	ATSDR, 1991b	NE
Mercury	D	NE	20	Nielsen, 1992	NE
Potassium	D	NE			NE

See notes at end of table.

Table 4-5 (Continued)
Dermal Dose-Response Data for Carcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency (%)	Reference	Dermal Slope Factor (mg/kg-day)-1
Inorganic Compounds--continued					
Selenium	D	NE	60	Owen, 1990	NE
Sodium	D	NE			NE
Thallium	D	NE	100	Lie and others, 1960	NE
Vanadium	D	NE	3	ATSDR, 1991d	NE

[1] The oral absorption efficiency of 1,2-dichloroethylene is assumed to be identical to that of 1,1-dichloroethylene, based on structural analogy.
[2] This toxicity values is based on absorbed dose; therefore, no adjustment of this value is necessary.
[3] The oral absorption efficiency of 4-methylphenol is assumed to be identical to that of phenol (ATSDR, 1989e), based on structural analogy.
[4] The oral absorption efficiency of all polynuclear aromatic hydrocarbons (PAHs) is assumed to be identical to that of benzo(a)pyrene, based on structural analogy.
[5] The oral absorption efficiency of alpha-Chlordane is assumed to be identical to that of gamma-Chlordane, based on structural analogy.

Notes: Weight of Evidence (route-specific):
A = human carcinogen.
B = probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence).
C = possible human carcinogen.
D = not classifiable as to human carcinogenicity.

For documentation concerning oral slope factors, refer to Table 1.

mg/kg-day(-1) = milligrams per kilogram per day(-1).
% = percent.
NE = not evaluated.
ATSDR = Agency for Toxic Substances and Disease Registry.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).

Table 4-6
Oral Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Volatile Organics Compounds										
1,2-Dichloroethylene (total)	9×10^{-3}	(1)	9×10^{-3}	(1)						
2-Hexanone	ND		ND							
Acetone	$1. \times 10^{-1}$	IRIS	1	HEAST	Oral-gavage	Low	Increased liver, kidney weight	Rat	1,000 H,A,S	IRIS
Benzene	ND		ND							
Methylene chloride	6×10^{-2}	IRIS	$6. \times 10^{-2}$	HEAST	Oral-drinking water	Medium	Liver toxicity	Rat	100 H,A	IRIS
Tetrachloroethene	$1. \times 10^{-2}$	IRIS	1×10^{-1}	HEAST	Oral-gavage	Medium	Hepatotoxicity	Mouse	1,000 H,A,S	IRIS
Toluene	2×10^{-1}	IRIS	2	HEAST	Oral-gavage	Medium	Changes in liver, kidney weight	Rat	1,000 H,A,S	IRIS
Trichloroethylene	6×10^{-3}	(2)	ND							
Semivolatile Organic Compounds										
2,4-Dimethylphenol	2×10^{-2}	IRIS	$2. \times 10^{-1}$	HEAST	Oral-gavage	Low	Adverse clinical signs	Mouse	3,000 H,A,S,D	IRIS
2-Methylnaphthalene	ND		ND							
2-Methylphenol	5×10^{-2}	IRIS	5×10^{-1}	HEAST	Oral-gavage	Medium	Decreased weight, neurotoxicity	Rat	1,000 H,A,S	IRIS
4-Methylphenol	5×10^{-3}	HEAST[3]	5×10^{-3}	HEAST	Oral-gavage	Medium	Hypoactivity, respiratory distress	Rabbit	1,000 H,A,S	HEAST
Acenaphthylene	ND		ND							

See notes at end of table.

Table 4-6 (Continued)
Oral Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Semivolatile Organics Compounds—continued										
Acenaphthene	6×10^{-2}	IRIS	6×10^{-1}	HEAST	Oral-gavage	Low	Hepatotoxicity	Mouse	3,000 H,A,S,D	IRIS
Anthracene	3×10^{-1}	IRIS	3	HEAST	Oral-gavage	Low	No effects observed	Mouse	3,000 H,A,S,D	IRIS
Benzo(a)anthracene	ND		ND							
Benzo(a)pyrene	ND		ND							
Benzo(b)fluoranthene	ND		ND							
Benzo(g,h,i)perylene	ND		ND							
Benzo(k)fluoranthene	ND		ND							
bis(2-Ethylhexyl)phthalate	2×10^{-2}	IRIS	2×10^{-2}	(4)	Oral-diet	Medium	Increased liver weight	Guinea pig	1,000 H,A,S,L	IRIS
Chrysene	ND		ND							
Dibenzofuran	ND		ND							
Dibenz(a,h)anthracene	ND		ND							
Fluoranthene	4×10^{-2}	IRIS	4×10^{-1}	HEAST	Oral-gavage	Low	Increased liver weight, clinical effects	Mouse	3,000 H,A,S,D	IRIS
Fluorene	4×10^{-2}	IRIS	4×10^{-1}	HEAST	Oral-gavage	Low	Hematological changes	Mouse	3,000 H,A,S,D	IRIS
Indeno(1,2,3-c,d)pyrene	ND		ND							
Naphthalene	4×10^{-2}	(2)	ND	(4)						
Phenanthrene	ND		ND							
Pyrene	3×10^{-2}	IRIS	3×10^{-1}	HEAST	Oral-gavage	Low	Renal tubular pathology	Mouse	3,000 H,A,S,D	IRIS

See notes at end of table.

Table 4-6 (Continued)
Oral Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Pesticides and PCBs										
alpha-HCH	ND		ND							
alpha-Chlordane	6×10^{-5}	IRIS[5]	6×10^{-5}	HEAST[5]	Oral-diet	Low	Liver hypertrophy	Rat	1,000 H,A,D	IRIS
Aroclor-1260	7×10^{-5}	([6])	ND							
beta-HCH	ND		ND							
Inorganic Compounds										
Aluminum	ND		ND							
Antimony	4×10^{-4}	IRIS	4×10^{-4}	HEAST	Oral-drinking water	Low	Reduced lifespan	Rat	1,000 H,A,L	IRIS
Arsenic	3×10^{-4}	IRIS	3×10^{-4}	HEAST	Oral-drinking water	Medium	Hyperpig-mentation, keratosis	Human	3 D	IRIS
Barium	7×10^{-2}	IRIS	7×10^{-2}	HEAST	Oral-drinking water	Medium	Elevated blood pressure	Human	3 H	IRIS
Beryllium	5×10^{-3}	IRIS	5×10^{-3}	HEAST	Oral-drinking water	Low	No effects observed	Rat	100 H,A	IRIS
Cadmium Food	1×10^{-3}	IRIS	ND		Oral-diet	High	Proteinuria	Human	10 H	IRIS
Cadmium Drinking Water	5×10^{-4}	IRIS	ND		Oral-drinking water	High	Proteinuria	Human	10 H	IRIS
Calcium	ND		ND							
Chromium	5×10^{-3}	IRIS[7]	2×10^{-2}	HEAST[7]	Oral-drinking water	Low	No effects observed	Rat	500 H,A,S	IRIS
Iron	ND		ND							
Lead	ND		ND							

See notes at end of table.

Table 4-6 (Continued)
Oral Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical		Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
		Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Inorganic Compounds--continued											
Magnesium		ND		ND							
Manganese	Food	1.4×10^{-1}	IRIS	1.4×10^{-1}	HEAST	Oral-diet	NA	CNS effects	Human	1	IRIS
	Drinking Water	5×10^{-3}	IRIS	5×10^{-3}	HEAST	Oral-drinking water	NA	CNS effects	Human	1	IRIS
Mercury		3×10^{-4}	HEAST[3,8]	3×10^{-4}	HEAST[9]	Oral-gavage	Low	Kidney effects	Rat	1,000 H,A,D	HEAST
Potassium		ND		ND							
Selenium		5×10^{-3}	IRIS	5×10^{-3}	HEAST	Oral-diet	High	Selenosis	Human	3 H	IRIS
Sodium		ND		ND							
Thallium		8×10^{-5}	IRIS[9]	8×10^{-4}	HEAST[10]	Oral-gavage	Low	No effects observed	Rat	3,000 H,A,S,D	IRIS
Vanadium		7×10^{-3}	HEAST[3]	7×10^{-3}	HEAST	Oral-drinking water	Low	No effects observed	Rat	100 H,A	HEAST

[1] The values for 1,1-dichloroethylene have been used as surrogates for 1,2-dichloroethylene (total) adopted based on analogy
[2] This value was provided by the Environmental Criteria and Assessment Office (ECAO) of the U.S. Environmental Protection Agency (USEPA) in response to a specific request.
[3] This value is currently listed in HEAST, but has been withdrawn from IRIS and is under review.
[4] This value has been recently withdrawn from HEAST and is currently under review.
[6] The values for Chlordane have been used as surrogates for alpha- and gamma-Chlordane.
[7] The chronic ingestion reference dose (RfD) for Aroclor-1016 has been used as a surrogate for all Aroclors.
[8] The toxicity values for chromium are based on chromium VI.
[9] This mercury value is specific for inorganic mercury.
[10] The ingestion RfD values for thallium are based on thallium sulfate.

Notes: RfD = reference dose.
mg/kg-day = milligrams per kilogram per day.
ND = no data.
NA = not applicable.
IRIS = Integrated Risk Information System on-line database search, current as of June 1994.
HEAST = Health Effects Assessment Summary Tables, current as of November 1993.
CNS = central nervous system.
HCH = hexachlorocyclohexane (commonly named BHC).

Uncertainty factors:
H = variation in human sensitivity.
A = animal to human extrapolation.
S = extrapolation from subchronic to chronic nearest observed adverse effect levels (NOAEL).
L = extrapolation from lowest observed adverse effect levels (LOAEL) to NOEL.
D = inadequate data.
M = modifying factor.

Table 4-7
Inhalation Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
Volatile Organic Compounds										
1,2-Dichloroethylene (total)	ND		ND							
2-Hexanone	ND		ND							
Acetone	ND		ND							
Benzene	ND		ND							
Methylene chloride	3×10^3	HEAST[1]	3×10^3	HEAST	Inhalation	Low	Liver toxicity	Rat	100 H,A	HEAST
Tetrachloroethene	ND		ND							
Toluene	4×10^2	IRIS	4×10^2	([2])	Inhalation	Medium	Neurological effects	Human	300 H,L,D	IRIS
Trichloroethylene	ND		ND							
Semivolatile Organic Compounds										
2,4-Dimethylphenol	ND		ND							
2-Methylnaphthalene	ND		ND							
2-Methylphenol	ND		ND							
4-Methylphenol	ND		ND							
Acenaphthylene	ND		ND							
Acenaphthene	ND		ND							
Anthracene	ND		ND							
Benzo(a)anthracene	ND		ND							
Benzo(a)pyrene	ND		ND							
Benzo(b)fluoranthene	ND		ND							
Benzo(g,h,i)perylene	ND		ND							
Benzo(k)fluoranthene	ND		ND							
bis(2-Ethylhexyl)phthalate	ND		ND							
Chrysene	ND		ND							
Dibenzofuran	ND		ND							

See notes at end of table.

Table 4-7 (Continued)
Inhalation Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
Semivolatile Organic Compounds--continued										
Dibenz(a,h)anthracene	ND		ND							
Fluoranthene	ND		ND							
Fluorene	ND		ND							
Indeno(1,2,3-c,d)pyrene	ND		ND							
Naphthalene	ND		ND							
Phenanthrene	ND		ND							
Pyrene	ND		ND							
Pesticides and PCBs										
alpha-HCH	ND		ND							
alpha-Chlordane	ND		ND							
Aroclor-1260	ND		ND							
beta-HCH	ND		ND							
Inorganic Compounds										
Aluminum	ND		ND							
Antimony	ND		ND							
Arsenic	ND		ND							
Barium	5×10^{-1}	HEAST[1,3]	5	HEAST[4]	Inhalation	Low	Phytotoxicity	Rat	1,000 H,A,S	HEAST
Beryllium	ND		ND							
Cadmium	ND		ND							
Calcium	ND		ND							
Chromium	ND		ND							
Iron	ND		ND							
Lead	ND		ND							
Magnesium	ND		ND							

See notes at end of table.

Table 4-7 (Continued)
Inhalation Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
Inorganic Compounds--continued										
Manganese	5×10^{-02}	IRIS	4×10^{-01}	HEAST	Inhalation	Medium	Impaired neuro-behavioral function	Human	1,000 H,L,D	IRIS
Mercury	3×10^{-01}	HEAST[1,5]	3×10^{-1}	HEAST[5]	Inhalation	Low	Neurotoxicity	Human	30 H,D	HEAST
Potassium	ND		ND							
Selenium	ND		ND							
Sodium	ND		ND							
Thallium	ND		ND							
Vanadium	ND		ND							

[1] This value is currently listed in HEAST, but has been withdrawn from IRIS and is under review.
[2] This value has been recently withdrawn from HEAST and is currently under review.
[3] Barium has a chronic inhalation reference dose (RfD) of 1×10^{-4} mg/kg-day (HEAST).
[4] Barium has a subchronic inhalation RfD of 1×10^{-3} mg/kg-day (HEAST).
[5] The mercury reference concentration (RfC) values were developed specifically for elemental mercury.

Notes: Uncertainty factors:
A = animal to human extrapolation.
H = variation in human sensitivity.
S = extrapolation from subchronic to chronic nearest observed adverse effect levels (NOAEL).
L = extrapolation from lowest observed adverse effect levels (LOAEL) to NOAEL.
D = inadequate data.
M = modifying factor.

RfC = reference concentration.
$\mu g/m^3$ = microgram per cubic meter.
ND = no data.
PCBs = polychlorinated biphenyls.
IRIS = Integrated Risk Information System on-line database search, current as of June 1994.
HEAST = Health Effects Assessment Summary Tables, current as of November 1993.

Table 4-8
Dermal Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency (percent)	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)
Volatile Organic Compounds						
1,2-Dichloroethylene (total)	9×10^{-3}	9×10^{-3}	100	(1)	9×10^{-3}	9×10^{-3}
2-Hexanone	ND	ND			ND	ND
Acetone	1×10^{-1}	1	100	ATSDR, 1992	1×10^{-1}	1
Benzene	ND	ND		(2)	ND	ND
Methylene chloride	6×10^{-2}	6×10^{-2}	100	McKenna and Zempel, 1981	6×10^{-2}	6×10^{-2}
Tetrachloroethene	1×10^{-2}	1×10^{-1}	100	Pegg and others, 1979	1×10^{-2}	1×10^{-1}
Toluene	2×10^{-1}	2	100	Smith and others, 1954	2×10^{-1}	2
Trichloroethene	7×10^{-3}	ND	100	Prout and others, 1985	7×10^{-3}	ND
Semivolatile Organic Compounds						
2,4-Dinitrophenol	2×10^{-3}	2×10^{-3}				
2-Methylnaphthalene	ND	ND			ND	ND
2-Methylphenol	5×10^{-2}	5×10^{-1}				
4-Methylphenol	5×10^{-3}	5×10^{-3}	95	(3)	4.75×10^{-3}	4.75×10^{-3}
Acenaphthylene	ND	ND			ND	ND
Acenaphthene	6×10^{-2}	6×10^{-1}	91	(4)	5.46×10^{-2}	5.46×10^{-1}
Anthracene	3×10^{-1}	3	91	(4)	2.73×10^{-1}	2.73
Benzo(a)anthracene	ND	ND	91	(4)	ND	ND
Benzo(a)pyrene	ND	ND	91	Hecht and others, 1979	ND	ND
Benzo(b)fluoranthene	ND	ND	91	(4)	ND	ND
Benzo(g,h,i)perylene	ND	ND			ND	ND
Benzo(k)fluoranthene	ND	ND	91	(4)	ND	ND

See notes at end of table.

Table 4-8 (Continued)
Dermal Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency (percent)	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)
Semivolatile Organic Compounds—continued						
bis(2-Ethylhexyl)phthalate	2×10^{-2}	2×10^{-2}	100	Chadwick and others, 1982	2×10^{-2}	2×10^{-2}
Chrysene	ND	ND	91	(4)	ND	ND
Dibenzofuran	ND	ND			ND	ND
Dibenz(a,h)anthracene	ND	ND	91	(4)	ND	ND
Fluoranthene	4×10^{-2}	4×10^{-1}	91	(4)	3.64×10^{-2}	3.64×10^{-1}
Fluorene	4×10^{-2}	4×10^{-1}	91	(4)	3.64×10^{-2}	3.64×10^{-1}
Indeno(1,2,3-c,d)pyrene	ND	ND	91	(4)	ND	ND
Naphthalene	4×10^{-2}	ND	100	Chang, 1943	4×10^{-2}	ND
Phenanthrene	ND	ND	91	(4)	ND	ND
Pyrene	3×10^{-2}	3×10^{-1}	91	(4)	2.73×10^{-2}	2.73×10^{-1}
Pesticides and PCBs						
alpha-HCH	ND	ND			ND	ND
alpha-Chlordane	6×10^{-5}	6×10^{-5}	80	(5)	4.8×10^{-5}	4.8×10^{-5}
Aroclor-1260	7×10^{-5}	ND	90	Albro and Fishbein, 1972	6.3×10^{-5}	ND
beta-HCH	ND	ND			ND	ND
Inorganic Compounds						
Aluminum	ND	ND			ND	ND
Antimony	4×10^{-4}	4×10^{-4}	1	ATSDR, 1991a	4×10^{-6}	4×10^{-6}
Arsenic	3×10^{-4}	3×10^{-4}	98	Vahter, 1983	2.94×10^{-4}	2.94×10^{-4}
Barium	7×10^{-2}	7×10^{-2}	7	ATSDR, 1991c	4.9×10^{-3}	4.9×10^{-3}
Beryllium	5×10^{-3}	5×10^{-3}	1	Owen, 1990	5×10^{-5}	5×10^{-5}
Cadmium	1×10^{-3}	ND	1	McLellan and others, 1978	1×10^{-5}	ND

See notes at end of table.

Table 4-8 (Continued)
Dermal Dose-Response Data for Noncarcinogenic Effects

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency (percent)	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)
Inorganic Compounds—continued						
Calcium	ND	ND			ND	ND
Chromium	5×10^{-3}	2×10^{-2}	11	Ogawa, 1976	5.5×10^{-4}	2.2×10^{-3}
Iron	ND	ND			ND	ND
Lead	ND	ND			ND	ND
Magnesium	ND	ND			ND	ND
Manganese	1.4×10^{-1}	1.4×10^{-1}	4	ATSDR, 1991b	5.6×10^{-3}	5.6×10^{-3}
Mercury	3×10^{-4}	3×10^{-4}	20	Nielsen, 1992	6×10^{-5}	6×10^{-5}
Potassium	ND	ND			ND	ND
Selenium	5×10^{-3}	5×10^{-3}	60	Owen, 1990	3×10^{-3}	3×10^{-3}
Sodium	ND	ND			ND	ND
Thallium	8×10^{-5}	8×10^{-4}	100	Lie and others, 1960	8×10^{-5}	8×10^{-4}
Vanadium	7×10^{-3}	7×10^{-3}	3	ATSDR, 1991d	2.1×10^{-4}	2.1×10^{-4}

[1] The oral absorption efficiency of 1,2-dichloroethylene is assumed to be identical to that of 1,1-dichloroethylene, based on structural analogy.
[2] This toxicity values is based on absorbed dose. Therefore, no adjustment of this value is necessary.
[3] The oral absorption efficiency of 4-methylphenol is assumed to be identical to that of phenol (ATSDR, 1989e), based on structural analogy.
[4] The oral absorption efficiency of all PAHs is assumed to be identical to that of benzo(a)pyrene, based on structural analogy.
[5] The oral absorption efficiency of alpha-chlordane is assumed to be identical to that of gamma-chlordane, based on structural analogy.

Notes: For documentation concerning chronic and subchronic oral RfDs, refer to Table 3.

RfD = reference dose.
ND = no data.
mg/kg-day = milligram per kilogram per day.
ATSDR = Agency for Toxic Substances and Disease Registry.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).

based, the critical effect in the study, any uncertainty and modifying factors applied to the RfD, and the degree of confidence assigned to the RfD is also included in these tables.

Relative Potency Factors for Carcinogenic Polyaromatic Hydrocarbons. Carcinogenic PAHs are a class of compounds with very similar, complex heterocyclic structures. From this group of compounds, only one, benzo(a)pyrene, has a USEPA published cancer slope factor. For the other carcinogenic PAHs, the variable toxicity has been addressed by using Relative Potency Factors (RPFs) published by USEPA (USEPA, 1993e). The RPFs identify the relative potency of each compound relative to that of benzo(a)pyrene.

The RPFs are not CSFs themselves but are used to calculate CSFs for the other PAHs. The RPFs are applied to the cancer slope factor for benzo(a)pyrene to obtain an estimate of the cancer risk for these compounds. The RPFs are only used in estimating the cancer risk of these compounds and are not used to estimate the noncancer risks. The RPFs for the carcinogenic PAHs are provided in Table 4-9.

Table 4-9
Relative Potency Factors for
Carcinogenic Polynuclear Aromatic Hydrocarbons

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Polynuclear Aromatic Hydrocarbon	Relative Potency Factors
Benzo(a)pyrene	1
Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.001
Dibenzo(a,h)anthracene	1
Indeno(1,2,3-c,d)pyrene	0.1

Source: U.S. Environmental Protection Agency (USEPA, 1993e).

The RPFs are different from the Toxic Equivalency Factors (TEFS) produced by USEPA Region IV guidance (USEPA, 1992f). TEFs are not used to calculate CSFs for the other PAHs. TEFs are applied to carcinogenic PAH EPCs to determine the equivalent benzo(a)pyrene concentration. The benzo(a)pyrene equivalent EPC for each carcinogenic PAH is then multiplied by the CSF for benzo(a)pyrene to obtain an estimate of the cancer risk for these compounds.

4.1.5 Human Health Risk Characterization The final step of the risk assessment is the risk characterization. This step involves the integration of the exposure and toxicity assessment into quantitative expressions of potential human health risks associated with HHCPC exposure. Quantitative estimates of both carcinogenic and noncarcinogenic risks are made for each HHCPC and each complete exposure pathway identified in the exposure assessment.

Carcinogenic Risks. Carcinogenic risks associated with exposure to individual chemicals are estimated by multiplying the chemical intake for each carcinogen by its CSF. This value represents an upper bound of the probability of an individual developing cancer over a lifetime as the result of exposure to a chemical. For each exposure pathway, the chemical-specific risks for all carcinogenic compounds are summed to determine the pathway-specific lifetime cancer risk. The following equations are used to estimate the chemical- and pathway-specific cancer risks:

Chemical-specific Excess Lifetime Cancer Risk

$$Risk_i = CDI_i \times SF_i \tag{5}$$

where

$Risk_i$ = unitless probability of an individual developing cancer as the result of exposure to a chemical i,

CDI_i = chronic daily intake of chemical i averaged over 70 years milligrams per kilogram per day (mg/kg-day), and

SF_i = USEPA cancer slope factor for chemical i $(mg/kg\text{-}day)^{-1}$.

Pathway-specific Incremental Lifetime Cancer Risk

$$Risk_T = \Sigma\, Risk_i \tag{6}$$

where

$Risk_T$ = unitless probability of an individual developing cancer as the result of multiple chemical exposures and

$Risk_i$ = unitless cancer risk estimate for the ith chemical associated with an exposure pathway.

The results from the carcinogenic risk assessment are compared with acceptable risk established by the USEPA. The USEPA's guidelines, established in the NCP, indicate that the total upper-bound lifetime cancer risk due to exposure to the HHCPCs at a site, by all complete exposure pathways, should not exceed a range of $1x10^{-6}$ to $1x10^{-4}$ (USEPA, 1989a).

Noncarcinogenic Risks. Noncarcinogenic risk estimates are calculated by dividing chemical intakes for each compound by the appropriate RfD. The result is called the HQ. The HQs for individual compounds within an exposure pathway were summed to obtain the hazard index (HI) for that particular pathway.

Following are the equations used to determine the HQs and HIs:

Hazard Quotient

$$HQ_i = \frac{I_i}{RfD_i} \tag{7}$$

where

HQ_i = hazard quotient of chemical i,

I_i = intake of chemical i averaged over the exposure period (mg/kg-day), and

RfD_i = reference dose for chemical i corresponding to the same exposure duration as the intake (mg/kg-day).

Hazard Index

$$HI = \Sigma HQ_i \tag{8}$$

where

HI = potential for noncarcinogenic effects from multiple chemical exposures and

HQ_i = hazard quotient for i^{th} chemical associated with an exposure pathway.

An HI less than 1 indicates that noncarcinogenic toxic effects are not expected to occur due to HHCPC exposure. HIs greater than 1 may be indicative of a possible noncarcinogenic toxic effect but the circumstances must be evaluated on a case-by-case basis. As the HI increases, so does the likelihood that adverse effects might be associated with exposure.

Remedial Goal Options (RGOs). Media with an incremental lifetime cancer risk above 1 in 10,000 ($1x10^{-4}$) or with a total HI greater than 1 are identified for remedial goal options based on USEPA Region IV guidance (1993b). For these select media, only analytes that contribute a cancer risk greater than 10^{-6} or an HI greater than 0.1 are considered in the RGOs. For chemicals with a cancer risk greater than 10^{-6} , concentrations of the chemical associated with risks of 10^{-4}, 10^{-5}, and 10^{-6} are calculated. For chemicals that have an HI greater than 0.1, concentrations of the chemical associated with HIs of 0.1, 1, and 10 are calculated. Chemical concentrations associated with these various risks and hazard levels are calculated using re-arranged site-specific reasonable maximum exposure (RME) daily intake equations used in the risk assessment.

The potential health-based cleanup goals and ARARs are intended to provide the RPM options for the development of various RGOs in the FS.

4.1.6 Uncertainty Analysis. Uncertainties that will be addressed arise from several sources: uncertainties in the representative nature of analytical data for actual analytes and concentrations at the site, uncertainties in modeling results to determine exposure point concentrations, uncertainties in exposure factors used to calculate intake, uncertainties in the appropriateness of toxicity

values, and potential for synergistic or antagonistic interaction of HHCPCs. The uncertainties associated with this risk assessment are presented in Table 4-10.

The majority of the assumptions made in this risk assessment process are conservative so that the risk at the site is actually overestimated. Other factors such as the inadequacy of toxicity factors to describe all possible HHCPC-receptor interactions and individual differences within the human population may need to be taken into account when using the results of this analysis for risk management decisions.

Exposure Point Concentrations. The EPC for each contaminant at the site is the lesser of the maximum detected concentration and the 95 percent UCL, as mandated by the USEPA. This technique usually overestimates the actual exposure conditions at the site, which in turn will overestimate the risk.

Exposure Scenarios. Because assumptions are used in the exposure scenarios, these scenarios may not produce realistic exposure conditions at the site. For example, incidental ingestion of sediment assumes an ingestion for children of 200 milligrams per day (mg/day). There is much controversy surrounding this parameter, so that risk is probably overestimated using this value.

The groundwater ingestion scenario assumes an ingestion rate of 2 liters per day (ℓ/day). This value is a 90th percentile rate whereas an average ingestion is 1.4 L/day (USEPA, 1989c). Using 2 ℓ/day as the ingestion rate could overestimate the exposure and risk associated with this exposure pathway for a large part of a potentially exposed population.

Exposure scenarios for the adult resident assume the individual remains at that location for 30 years. This value also is a 90th percentile rate and an average value would be 9 years. However, there is considerable variation within the population in the time an individual spends at one residence.

Population of Receptors. There is also a great deal of uncertainty associated with assumptions concerning the exposed population. Almost every population is a heterogenous mixture of old and young people, with different body weights, body surface areas, and other differing physiological functions such as inhalation rates. Certain subsets of the population could be at a greater risk due to disease, genetic predisposition, pregnancy, and personal lifestyle choices (alcohol or drug use). The use of a single factor for each of these parameters to represent the population is a source of uncertainty. These factors could underestimated or overestimate the risk depending on the specific situation.

Toxicity Assessment and Toxicity Factors. Another common uncertainty is the toxicity assessment of the contaminants at the site. The CSFs and RfDs are developed using a methodology that is conservative. General sources of uncertainty in the calculation of toxicity factors are animal to human extrapolation, low dose extrapolation, and inadequacy of toxicity data. Because conservative estimates are used in the estimation of the toxicity factors, the risk associated with these values is probably overestimated.

Table 4-10
Potential Sources of Uncertainty

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Potential Source	Direction of Effect	Justification
Exposure Assessment		
Likelihood of exposure pathways	Overestimate	Actual exposure may not occur
Exposure point concentrations	Overestimate	Sampling data are assumed to be representative of the site exposures.
Exposure assumptions (e.g., frequency and duration)	Overestimate	Parameters selected are conservative estimates of exposure representing a reasonable maximum exposure.
Degradation of chemicals not considered	Overestimate	Risk estimates are based on recent chemical concentrations. Concentrations tend to decrease over time as a result of degradation for many organics.
Absorption of soil contaminants through the skin	Overestimate	Dermal absorption of chemicals is a function of the length of actual skin contact. Contact at this site may be insufficient to result in the adsorption assumed.
Toxicity Assessment		
Extrapolation of animal toxicity data to humans	Unknown, probably overestimate.	Animals and humans differ with respect to adsorption, metabolism, distribution, and excretion of chemicals. The magnitude and direction of the difference varies with each chemical. Animal studies typically involve high-dose exposures, whereas humans are exposed to low doses in the environment.
Use of linearized, multi-stage model to derive cancer slope factors	Overestimate	Model assumes a non-threshold, linear at low dose relationship for carcinogens. Many compounds induce cancer by non-genotoxic mechanisms. Model results in 95 percent upper confidence limits of cancer potency. Potency is unlikely to be higher and may be as low as zero.
Risk Characterization		
Summation of risk among chemicals within exposure pathways	Unknown	Little is known about the toxicity of chemical mixtures. In the absence of evidence to the contrary, additivity of risk is assumed.

Risk Characterization. Because the site contains a mixture of chemicals, this creates an area of uncertainty. Based on USEPA's guidance on chemical mixtures (USEPA, 1986b), if insufficient information is available on the effects of a mixture of chemicals then additivity of the effects of the contaminants in the mixture is assumed. According to USEPA, this assumption should produce neutral risk estimates. More recently, USEPA guidance (USEPA, 1989a) states that the assumption of additivity assumes independence of action and if this assumption is incorrect, risk may be overestimated or underestimated for the mixture of chemicals. Additivity is also assumed in calculating the HI values, even though some contaminants may have different toxic mechanisms. In this situation, the HI probably overestimates the non-cancer risk. Chemicals within mixtures can act upon each other either synergistically or antagonistically. These types of interactions are not considered and this could underestimate or overestimate the risk.

4.2 HUMAN HEALTH RISK ASSESSMENT FOR SITE 5. A description of the methodology used to complete the HHRA for Site 5 has been presented in Section 4.1.

4.2.1 Selection of Contaminants of Potential Concern Methodology for the selection of HHCPCs for Site 5 was described in Section 4.1.2. HHCPCs were selected for surface soil, subsurface soil, sediment, surface water, and groundwater. HHCPC selection criteria are presented in tables in this subsection.

4.2.1.1 Surface Soil Surface soil samples were collected at Site 5 from 31 locations (CF5SS1 through CF5SS31) as indicated in Figure 3-1. All 31 samples were included in the surface soil summary. Background concentrations for surface soil came from an Arents soil population based on information from the RI. More specific information on the background concentrations can be found in Section 3.5. Background concentrations were presented in Table 3-1.

Table 4-11 is a summary of the analytes detected and also the screening results for these analytes in the surface soil samples at Site 5. Twenty organic compounds (2-hexanone, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo-(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluorene, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, and Aroclor-1260), five inorganic compounds (beryllium, calcium, magnesium, manganese, and sodium), and total recoverable petroleum hydrocarbon (TRPH) were retained as HHCPCs at Site 5.

EPCs were determined according to section 4.1.3.3. The maximum detected concentration, 95 percent UCL, and EPC for the 26 HHCPCs retained after the screening process are provided in Table 4-12.

4.2.1.2 Subsurface Soil Subsurface soil samples were collected at Site 5 from 36 locations as indicated on Figures 3-3 and 3-4. An additional 16 subsurface soil samples from the 1991 RI/FS report were also included in the data set. Background data for subsurface soil were obtained from the background monitoring network (see Section 3.5 of this document). For background concentrations in the subsurface soil, see Table 3-2.

Table 4-11
Selection of Human Health Contaminants of Potential Concern (CPC) Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compounds (µg/kg)								
Acetone	4/31	11 to 2,000	2 to 33	11.3	ND	780,000	No	S
2-Butanone	3/31	10 to 2,000	3 to 9	5.7	ND	4,700,000	No	S
2-Hexanone	1/31	10 to 2,000	2	2	ND	NA	Yes	M
Methylene chloride	5/31	5 to 980	3 to 6	3.6	ND	85,000	No	S
Toluene	1/31	5 to 980	6	6	ND	1,600,000	No	S
Semivolatile Organic Compounds (µg/kg)								
Acenaphthene	5/31	340 to 10,000	43 to 135*	85.2	ND	470,000	Yes	C
Acenaphthylene	4/31	340 to 10,000	25 to 118*	52.5	ND	NA	Yes	C
Anthracene	8/31	340 to 10,000	28 to 230	138	ND	2,300,000	Yes	C
Benzo(a)anthracene	9/31	340 to 10,000	75.5* to 1,200	470	ND	880	Yes	C
Benzo(a)pyrene	12/31	340 to 10,000	25 to 765*	311	ND	88	Yes	C
Benzo(b)fluoranthene	15/31	340 to 10,000	20 to 1,550*	481	ND	880	Yes	C
Benzo(g,h,i)perylene	13/31	340 to 10,000	27 to 650	208	ND	NA	Yes	C
Benzo(k)fluoranthene	12/31	340 to 10,000	22 to 590*	217	ND	8,800	Yes	C
Butylbenzylphthalate	1/31	340 to 10,000	150	150	ND	1,600,000	No	S, F
Carbazole	4/31	340 to 10,000	87 to 170	128	ND	32,000	No	S
Chrysene	11/31	340 to 10,000	33 to 1,035*	368	ND	88,000	Yes	C
Dibenz(a,h)anthracene	10/31	340 to 10,000	30 to 171	76.5	ND	88	Yes	C
Dibenzofuran	3/31	340 to 10,000	34 to 40	37.8	ND	NA	Yes	
Diethylphthalate	7/31	340 to 10,000	25 to 120	59.2	ND	6,300,000	No	S

See notes at end of table.

Table 4-11 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPC)
Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Semivolatile Organic Compounds (µg/kg)--continued								
bis(2-Ethylhexyl)phthalate	3/31	340 to 10,000	20 to 1,200	418	ND	46,000	No	S
Fluoranthene	12/31	340 to 10,000	22 to 1,900	636	ND	310,000	Yes	C
Fluorene	5/31	340 to 10,000	36 to 110	71.2	ND	310,000	Yes	C
Indeno(1,2,3-cd)pyrene	13/31	340 to 10,000	24 to 420*	179	ND	880	Yes	C
2-Methylnaphthalene	1/31	340 to 10,000	113.5*	113.5	ND	NA	Yes	M
Naphthalene	3/31	340 to 10,000	22 to 122.5*	58.9	ND	310,000	Yes	C
Phenanthrene	9/31	340 to 10,000	52 to 920	395	ND	NA	Yes	C
Pyrene	12/31	340 to 10,000	32 to 1,500	483	ND	230,000	Yes	C
Pesticides and PCBs (µg/kg)								
4,4-DDD	3/31	0.6 to 30	2.3* to 8.2	5.5	ND	2,700	No	S
4,4-DDE	11/31	1 to 16	0.19 to 20	6.5	ND	1,900	No	S
4,4-DDT	7/22	0.3 to 20	2.1 to 48	17.2	ND	1,900	No	S
Aroclor-1260	14/31	20 to 160	6.3 to 3,200	507	ND	83	Yes	
alpha-Chlordane	2/31	0.2 to 8 2	0.47 to 1.7	1.1	ND	470	No	S
gamma-Chlordane	3/31	1.8 to 8.2	0.29 to 1.5	0.96	ND	470	No	S
Dieldrin	3/31	0.5 to 16	0.26 to 2.1*	1.3	ND	40	No	S

See notes at end of table.

Table 4-11 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPC)
Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (mg/kg)								
Aluminum	31/31	NA	196 to 11,500	2,434	29,086	23,000	No	S, B
Arsenic	7/31	2	0.46 to 2.1	0.9	3.6	[7]0.37	No	B
Barium	25/31	40	2.6 to 42.5	9.5	21	550	No	S
Beryllium	2/31	1	0.29 to 0.39*	0.34	ND	0.15	Yes	
Cadmium	2/31	1	0.63* to 0.81	0.72	ND	3.9	No	S
Calcium	31/31	NA	131 to 125,000	19,791	ND	NA	Yes	N
Chromium	17/31	2	2.5 to 14.4	6.4	31.2	[8]39	No	S, B
Cobalt	11/31	10	1.5 to 3.7	2.3	ND	[9]1,400	No	S
Copper	7/31	5	0.76 to 11.8*	4.5	ND	290	No	S
Iron	31/31	NA	62.7 to 4,150	812	8,060	NA	No	B
Lead	31/31	NA	1.2 to 88.9	18.4	15.6	[10]400	No	S
Magnesium	17/31	1,000	77.1 to 4,980	979	474	NA	Yes	N
Manganese	22/31	3	2.9 to 75.2	18.9	17	39	Yes	
Mercury	1/31	0.1	0.16	0.16	ND	2.3	No	S
Nickel	3/31	8	1.6 to 13.6	6	7.2	160	No	S
Selenium	1/31	1	0.69 to 0.69	0.69	ND	39	No	S
Sodium	13/31	1,000	91.6 to 350*	145	ND	NA	Yes	N
Vanadium	31/31	NA	1 to 8.9	3.5	34.2	55	No	S, B
Zinc	21/31	4	1.6* to 94.05*	25.6	ND	2,300	No	S

See notes at end of table.

Table 4-11 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPC)
Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Total Recoverable Petroleum Hydrocarbons (mg/kg)								
	31/31	NA	12 - 28,000	1,428	ND	NA	Yes	

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001). Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent.
C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.
[7] The value is based on arsenic as a carcinogen.
[8] The value is based on chromium hexavalent form.
[9] The value reflects updated information from the April 20, 1994, USEPA Region III RBC tables.
[10] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for CERCLA and RCRA sites.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: CFSS1 through CFSS31.
Duplicate samples include: CF5SS10D, CF5SS20D, CF5SS30D, and CF5SS31D.
Background sample locations include: CF5SS01, CEFBSSO2, CEFBSS03, and CEFBSS04

NA = not available.
ND = not detected in any background samples.
DDT = dichlorodiphenyltrichloroethane.
DDD = dichlorodiphenyldichloroethene.
μg/kg = micrograms per kilogram.
mg/kg = milligrams per kilogram.
DDE = dichlorodiphenyldichloroethane.

Table 4-12
Exposure Point Concentrations for Human Health Contaminants of Potential Concern
Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/kg)				
2-Hexanone	1/31	2	NC	2
Semivolatile Organic Compounds (µg/kg)				
2-Methylnaphthalene	1/31	113.5*	NC	113.5
Acenaphthene	5/31	135	337	135
Acenaphthylene	4/31	118*	369	118
Anthracene	8/31	230	347	230
Benzo(a)anthracene	9/31	1,200	483	483
Benzo(a)pyrene	12/31	765*	483	483
Benzo(b)fluoranthene	15/31	1,550*	773	773
Benzo(g,h,i)perylene	13/31	650	412	412
Benzo(k)fluoranthene	12/31	590*	424	424
Chrysene	11/31	1,035*	483	483
Dibenz(a,h)anthracene	10/31	171*	337	171
Dibenzofuran	3/31	40	358	40
Fluoranthene	12/31	1,900	812	812
Fluorene	5/31	110	340	110
Indeno(1,2,3-cd)pyrene	13/31	420*	399	399
Naphthalene	3/31	122.5*	365	122.5
Phenanthrene	9/31	920	455	455
Pyrene	12/31	1,500	626	626
Pesticides and PCBs (µg/kg)				
Aroclor-1260	14/31	3,200	424	424
Inorganic Compounds (mg/kg)				
Beryllium	2/31	0.39*	NC	0.39
Calcium	31/31	125,000	131,926	125,000
Magnesium	17/31	4,980	1,130	1,130
Manganese	22/31	75.2	27.4	27.4
Sodium	13/31	350*	493	350
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
TRPH	31/31	28,000	3,229	3,229

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
µg/kg = micrograms per kilogram.
PCBs = polychlorinated biphenyls.
NC = not calculated.
mg/kg = milligrams per kilogram.

Table 4-13 is a summary of the analytes detected and also the screening results for these analytes in the subsurface soil samples at Site 5. Nineteen organic compounds (2-methylnaphthalene, 4-methylphenol, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluorene, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, and Aroclor-1260), six inorganic compounds (arsenic, calcium, iron, magnesium, potassium, and sodium), and TRPH were retained as HHCPCs at Site 5.

EPCs were determined according to section 4.1.3.3. Table 4-14 contains the maximum detected concentration, 95 percent UCL, and EPC for the 26 HHCPCs retained after the screening process.

4.2.1.3 **Sediment** Sediment samples were collected at Site 5 concurrently with surface water samples. Five samples were obtained from the drainage ditch (5-SD1 through 5-SD5) and two samples were obtained from a vegetated wetland area east of Site 5 (5-SD6 and 5-SD7) (Figure 3-7). Station 5 (5-SD5 and 5-SW5) was located in the drainage ditch upstream of Site 5 and was used to represent background conditions for both the drainage ditch and wetland area. Background concentrations for sediment are in Table 3-5.

Analytes detected in sediment samples and selected as HHCPCs are summarized in Table 4-15. Four organic compounds (2-methylnaphthalene, fluorene, naphthalene, and Aroclor-1260), six inorganic compounds (arsenic, beryllium, calcium, iron, magnesium, and sodium), and TRPH were retained as HHCPCs from the sediment samples at Site 5.

EPCs were determined according to subsection 4.1.3.3. Table 4-16 contains the maximum detected concentration, 95 percent UCL, and EPC for the 11 HHCPCs retained after the screening process.

4.2.1.4 **Surface Water** Surface water was sampled at the same seven locations (5-SW1 through 5-SW7) as the sediment samples (Section 4.2.1.3). Figure 3-7 shows the location of surface water samples collected at Site 5. As with sediment, Station 5 was used to represent background conditions. Background concentrations in surface water are presented in Table 3-5.

Table 4-17 is a summary of the analytes detected and also the screening results for those analytes in the surface water samples at Site 5. No organic compounds were retained as HHCPCs at Site 5. Seven inorganic compounds (calcium, iron, magnesium, manganese, potassium, sodium, and vanadium) were retained as HHCPCs.

Subsection 4.1.3.3 describes the methodology used in determining EPCs for all the CPCs. The maximum detected concentration, 95% UCL, and EPC for the seven HHCPCs retained after the screening process are provided in Table 4-18.

4.2.1.5 **Groundwater** Data were used from 30 monitoring wells in the HHRA to evaluate conditions at Site 5. The majority of the data were from 1993 (25 wells) and 5 wells were included from 1991 (CEF-5-3, CEF-5-4, CEF-5-5,CEF-5-6, and CEF-5-7S). Wells screened at shallow, intermediate, and deep intervals were all included in the groundwater data set.

Table 4-13
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 5 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compounds (µg/kg)								
Acetone	8/52	11 to 3,000	54 to 5,200	1,030	ND	780,000	No	S
Benzene	1/52	6 to 1,500	160	160	ND	[7]22,000	No	S
2-Butanone	2/52	11 to 3,000	8 to 13	10.5	ND	4,700,000	No	S
Ethylbenzene	14/52	6 to 1,500	250 to 11,000	2,476	ND	780,000	No	S
Toluene	17/52	6 to 1,500	4 to 10,000	2,020	ND	1,600,000	No	S
Trichloroethene	5/52	6 to 1,500	300 to 1,200	606	ND	[7]58,000	No	S
Xylenes (total)	24/52	6 to 1,500	2 to 70,000	8,478	ND	16,000,000	No	S
Semivolatile Organic Compounds (µg/kg)								
Acenaphthene	4/52	330 to 8,400	285* to 2,400*	1,109	ND	470,000	Yes	C
Anthracene	1/52	330 to 8,400	595*	595	ND	2,300,000	Yes	C
bis(2-Ethylhexyl)phthalate	28/52	330 to 8,400	23 to 2,160*	364	ND	46,000	No	S
Benzo (a) anthracene	1/52	330 to 8,400	1,650*	1,650	ND	880	Yes	M
Benzo (a) pyrene	1/52	330 to 8,400	1,085*	1,085	ND	88	Yes	M
Benzo (b) fluoranthene	2/52	330 to 8,400	21 to 1,900*	961	ND	880	Yes	M
Benzo (g,h,i) perylene	1/52	330 to 8,400	375*	375	ND	NA	Yes	M
Benzo (k) fluoranthene	1/52	330 to 8,400	510*	510	ND	8800	Yes	C
Carbazole	[8]1/36	370 to 8,400	405*	405	ND	32,000	No	S
Chrysene	1/52	330 to 8,400	1,350*	1,350	ND	88,000	Yes	C
Di-n-butylphthalate	2/52	330 to 8,400	410 to 5,675*	3,043	ND	780,000	No	S
Dibenz (a,h) anthracene	1/52	330 to 8,400	120*	120	ND	88	Yes	M
Dibenzofuran	18/52	330 to 8,400	26 to 2,550*	928	ND	NA	Yes	
Fluoranthene	1/52	330 to 8,400	3,450*	3,450	ND	310,000	Yes	C
Fluorene	4/52	330 to 8,400	290* to 2,370*	1,040	ND	310,000	Yes	C
Indeno (1,2,3-cd) pyrene	1/52	330 to 8,400	480*	480	ND	880	Yes	C

See notes at end of table.

Table 4-13 (Continued)
Selection of Human Health Contaminants of Potential Concern
Subsurface Soil Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Semivolatile Organic Compounds (µg/kg)--continued								
2-Methylnaphthalene	26/52	330 to 16,000	34.5* to 33,000	12,816	ND	NA	Yes	
2-Methylphenol	1/52	330 to 8,400	4,700	4,700	ND	390,000	No	S
4-Methylphenol	4/52	330 to 8,400	1,900 to 42,000	16,225	ND	39,000	Yes	
Naphthalene	30/52	330 to 8,400	36 to 26,000	7,117	ND	310,000	Yes	C
Phenanthrene	4/52	330 to 8,400	390 to 2,250*	940	ND	NA	Yes	
Phenol	4/52	330 to 8,400	81* to 14,000	3,760	ND	4,700,000	No	S
Pyrene	1/52	330 to 8,400	1,850*	1,850	ND	230,000	Yes	C
Pesticides and PCBs (µg/kg)								
Aroclor-1260	35/52	37 to 3,200	8.1 to 1,500	477	ND	83	Yes	
alpha-Chlordane	2/52	0.4 to 1,600	0.51* to 1.2	0.86	ND	470	No	S
gamma-Chlordane	2/52	0.09 to 1,600	0.13 to 1.7	0.92	ND	470	No	S
4,4-DDE	2/52	2.4 to 320	0.9* to 19	10	ND	1900	No	S
4,4-DDT	2/52	3.8 to 320	3.2* to 11	7.1	ND	1900	No	S
Dieldrin	1/52	1.45 to 320	1.285*	1.3	ND	40	No	S
Methoxychlor	3/52	19 to 1,600	1.8 to 5.4*	3.6	ND	39,000	No	S
Inorganic Compounds (mg/kg)								
Aluminum	52/52	NA	303 to 20,700*	5,636	11,132	23,000	No	S
Arsenic	16/52	2 to 10	0.25 to 3.1	0.85	1.3	[9]0.37	Yes	
Barium	37/52	40 to 200	1.7 to 28.2	7.7	13.96	550	No	S
Cadmium	3/52	1 to 5	0.48 to 0.59	0.52	ND	3.9	No	S
Calcium	22/52	1,000 to 5,000	113 to 88,350*	7,213	350.7	NA	Yes	N
Chromium	51/52	2 to 10	1 to 24.1	7.6	15.7	[10]39	No	S

See notes at end of table.

Table 4-13 (Continued)
Selection of Human Health Contaminants of Potential Concern
Subsurface Soil Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (mg/kg)--continued								
Cobalt	3/52	10 to 50	1.3 to 1.8	1.5	ND	[7]1,400	No	S
Copper	23/52	5 to 25	0.35 to 7.45*	1.5	2.5	290	No	S
Cyanide	1/52	1 to 10	0.66	0.66	ND	160	No	S, F
Iron	50/52	NA	79.6 to 3,480	650	2627.6	NA	Yes	N
Lead	52/52	NA	0.66 to 109	11.8	15.2	[11]400	No	S
Magnesium	13/52	1,000 to 5,000	81 to 1,330*	260	227	NA	Yes	N
Manganese	26/52	3 to 15	0.48 to 32.95*	4.2	7.9	39	No	S
Mercury	3/52	0.1 to 0.2	0.14 to 0.21	0.17	1.1	2.3	No	S, B
Nickel	17/52	8 to 40	1.6 to 5.4	3.1	5.4	160	No	S, B
Potassium	9/52	1,000 to 5,000	41.6 to 270	130	146.9	NA	Yes	N
Selenium	18/52	1 to 5	0.28 to 1.2	0.5	ND	39	No	S
Sodium	3/52	1,000 to 5,000	208 to 445	298	342	NA	Yes	
Thallium (salts)	1/52	2 to 10	0.37	0.37	ND	0.63	No	S, F
Vanadium	30/52	10 to 50	0 65 to 15.2	5.3	15.4	55	No	S, B
Zinc	13/52	4 to 49	4.1 to 1,106.9*	95.6	14	2,300	No	S
Total Recoverable Petroleum Hydrocarbons (mg/kg)								
	47/51	11 to,850	2.7 to 27,500*	5,305	ND	NA	Yes	

See notes on next page.

Table 4-13 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs)
Subsurface Soil Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001). Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value reflects updated information from the April 20, 1994 USEPA Region III RBC tables.
[8] Number of samples analyzed varies because the compound was not included on the 1990 contract laboratory program (CLP) statement of work.
[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for CERCLA and RCRA sites.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: BOR-5-1-1, BOR-5-1-2, BOR-5-2-1, BOR-5-2-2, BOR-5-3-1, BOR-5-3-2, BOR-5-4-1, BOR-5-4-2, BOR-5-5-1, BOR-5-5-2, BOR-5-6-1, BOR-5-6-2, BOR-5-8-1, BOR-5-8-2, CF5BR9S0, CF5BR9S4, CF5BR10S0, CF5BR10S4, CF5BR11S0, CF5BR11S6, CF5BR12S4, CF5BR12S6, CF5BR13S2, CF5BR13S4, CF5BR14S0, CF5BR14S2, CF5BR15S0, CF5BR15S2, CF5BR16S2, CF5BR16S4, CF5BR17S4, CF5BR17S6, CF5BR18S2, CF5BR18S4, CF5MS8S0, CF5MS8S2, CF5MS13S0, CF5MS13S4, CF5MS19S0, CF5MS19S4, CF5MS20S0, CF5MS20S2, CF5MS23S0, CF5MS23S2, CF5MS24S2,CF5MS24S6, CF5MS29S0, CF5MS29S4, CF5MS30S2, and CF5MS30S6.

Duplicate samples include: BOR-5-7-1D, BOR-5-4-1D, CF5BR9S0D, CF5BR9S4D, CFBR10S0D, and CF5MS13S0D.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
μg/kg = micrograms per kilogram.
ND = not detected in any background samples.
NA = not available.
DDE = dichlorodiphenyldichloroethane.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.

Table 4-14
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs) Site 5 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/kg)				
No detected analytes were retained as HHCPCs.				
Semivolatile Organic Compounds (µg/kg)				
Acenaphthene	4/52	2,400*	2,752	2,400
Anthracene	1/52	595*	NC	595
Benzo (a) anthracene	1/52	1,650*	NC	1,650
Benzo (a) pyrene	1/52	1,085*	NC	1,085
Benzo (b) fluoranthene	2/52	1,900*	NC	1,900
Benzo (g,h,i) perylene	1/52	375*	NC	375
Benzo (k) fluoranthene	1/52	510*	NC	510
Chrysene	1/52	1,350*	NC	1,350
Dibenz (a,h) anthracene	1/52	120*	NC	120
Dibenzofuran	18/52	2,550*	1,572	1,572
Fluoranthene	1/52	3,450*	NC	3,450
Fluorene	4/52	2,370*	2,724	2,370
Indeno (1,2,3-cd) pyrene	1/52	480*	NC	480
2-Methylnaphthalene	26/52	33,000	34,544	33,000
4-Methylphenol	4/52	42,000	4,817	4,817
Naphthalene	30/52	26,000	14,328	14,328
Phenanthrene	4/52	2,250*	3,011	2,250
Pyrene	1/52	1,850*	NC	1,850
Pesticides and PCBs				
Aroclor-1260	35/52	1,500	854	854
Inorganic Compounds (mg/kg)				
Arsenic	16/52	3.1	1.7	1.7
Calcium	22/52	88,350*	3,715	3,715
Iron	50/52	3,480	1,054	1,054
Magnesium	13/52	1,330*	1,339	1,330
Potassium	9/52	270	1,164	270
Sodium	3/52	445	1,366	445
Total Recoverable Petroleum Hydrocarbon (mg/kg)				
	47/51	27,500*	344,552	27,500

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
µg/kg = micrograms per kilogram.
HHCPCs = human health contaminants of potential concern.
NC = not calculated.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilogram.

Table 4-15
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 5 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compounds (µg/kg)								
Acetone	5/6	14 to 50	13 to 830	202	ND	780,000	No	S
2-Butanone	1/6	14 to 50	29	29	ND	4,700,000	No	S
Ethylbenzene	1/6	14 to 50	9	9	ND	780,000	No	S
Methylene chloride	1/6	14 to 50	11	11	ND	85,000	No	S
Toluene	3/6	14 to 50	8 to 20	14	ND	1,600,000	No	S
Xylenes (total)	1/6	14 to 50	53	53	ND	16,000,000	No	S
Semivolatile Organic Compounds (µg/kg)								
bis(2-Ethylhexyl) phthalate	1/6	460 to 2,100	1,900	1,900	ND	46,000	No	S
Di-n-octylphthalate	1/6	460 to 2,100	410	410	ND	160,000	No	S
Fluorene	1/6	460 to 2,100	230	230	ND	310,000	Yes	C
2-Methylnaphthalene	1/6	460 to 2,100	1,500	1,500	ND	NA	Yes	
4-Methylphenol	2/6	460 to 2,100	66 to 75	71	ND	39,000	No	S
Naphthalene	1/6	460 to 2,100	1,100	1,100	ND	310,000	Yes	C
Pesticides and PCBs (µg/kg)								
Aroclor-1260	3/5	46 to 240	70 to 330	180	ND	83	Yes	
4,4-DDD	2/6	4.6 to 24	8 to 27	18	ND	2,700	No	S
4,4-DDE	1/6	4.6 to 24	3.7	3.7	ND	1,900	No	S
4,4-DDT	1/6	4.6 to 24	8.6	8.6	ND	1,900	No	S
Inorganic Compounds (mg/kg)								
Aluminum	6/6	NA	693 to 12,700	5,772	732	23,000	No	S
Arsenic	2/6	2	2.6 to 4.5	3.6	ND	[7]0.37	Yes	
Barium	6/6	NA	4.7 to 55.4	20.8	6	550	No	S
Beryllium	2/6	1	0.16 to 0.63	0.4	ND	0.15	Yes	
Calcium	6/6	NA	99.9 to 4,140	1,418.6	144.2	NA	Yes	N

See notes at end of table.

Table 4-15 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 5 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (mg/kg) (Continued)								
Chromium	6/6	NA	0.92 to 16.7	7.09	ND	[8]39	No	S
Copper	1/6	5	3.7	3.7	ND	290	No	S
Iron	6/6	NA	127 to 3,370	1,340	145.8	NA	Yes	N
Lead	6/6	NA	3 to 129	45.4	ND	[9]400	No	S
Magnesium	6/6	NA	18.3 to 341	152.8	26.4	NA	Yes	N
Manganese	4/6	3	0.91 to 13	6.93	1.01	39	No	S
Mercury	2/6	0.1	0.09 to 0.17	0.13	ND	2.3	No	S
Sodium	1/6	1,000	123	123	ND	NA	Yes	N
Vanadium	4/6	10	1.5 to 10.2	6.1	ND	55	No	S
Zinc	4/6	4	3.9 to 81.8	42.6	1.36	2,300	No	S
Total Recoverable Petroleum Hydrocarbons (mg/kg)								
TRPH	6/6	NA	7.3 - 1450	490	ND	NA	Yes	

See notes on next page.

Table 4-15 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 5 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001). Actual values are taken from the COC Screening Table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value is based on arsenic as a carcinogen.
[8] The value is based on chromium hexavalent form.
[9] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for CERCLA and RCRA sites.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 5-SD-1, 5-SD-2, 5-SD-3, 5SD-4, 5SD-6, and 5-SD-7.
Duplicate samples include: 5-SD-2D.
Background sample locations include: 5-SD-5.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
µg/kg = micrograms per kilogram.
ND = not detected in any background samples.
PCBs = polychlorinated biphenyls.
DDD = dichlorodiphenyldichloroethene.
DDE = dichlorodiphenyldichloroethane.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.
NA = not available.
TRPH = total recoverable petroleum hydrocarbon.

Table 4-16
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs), Site 5 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/kg)				
No detected analytes were retained as HHCPCs.				
Semivolatile Organic Compounds (µg/kg)				
Fluorene	1/6	230	NC	230
Naphthalene	1/6	1,100	NC	1,100
2-Methylnaphthalene	1/6	1,500	NC	1,500
Pesticides and PCBs (mg/kg)				
Aroclor-1260	3/5	330	953	330
Inorganic Compounds (mg/kg)				
Arsenic	2/6	4.5	NC	4.5
Beryllium	2/6	0.63	NC	0.63
Calcium	6/6	4,140	166,043	4,140
Iron	6/6	3,370	121,783	3,370
Magnesium	6/6	341	3,011	341
Sodium	1/6	123	NC	123
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
	6/6	1,450	839,029	1,450

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
µg/kg = micrograms per kilogram.
HHCPCs = human health contaminants of potential concern.
NC = not calculated.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilogram.

Table 4-17
Selection of Human Health Contaminants of Potential Concern (CPCs) Site 5 Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection [1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compound (μg/ℓ)								
Acetone	3/6	10 to 19	10 to 16	13	ND	370	No	S
4-Methyl-2-pentanone	1/6	10	3	3	ND	180	No	S
Toluene	2/6	10	2 to 2	2	ND	75	No	S
Semivolatile Organic Compounds (μg/ℓ)								
No detected analytes were retained as HHCPCs.								
Pesticides and PCBs (μg/ℓ)								
No detected analytes were retained as HHCPCs.								
Inorganic Compounds (μg/ℓ)								
Aluminum	6/6	NA	149 to 2,320	802	1,476	11,000	No	S
Barium	6/6	NA	16.2 to 48.6	27.1	28.4	260	No	S
Cadmium	1/6	5	0.19	0.19	ND	1.8	No	S
Calcium	6/6	NA	2,880 to 20,400	9,667	4,940	NA	Yes	N
Iron	6/6	NA	153 to 3,610	1,619	2,520	NA	Yes	N
Lead	3/6	5	2.3 to 6.4	3.9	2.5	[7]15	No	S
Magnesium	6/6	NA	626 to 2,490	1,382	1,152	NA	Yes	N
Manganese	6/6	NA	8 to 41.6	23.2	18.4	18	Yes	
Potassium	2/6	5,000	3,700 to 3,790	3,745	ND	NA	Yes	N
Sodium	6/6	NA	4,640 to 26,500	11,022	10,440	NA	Yes	N
Vanadium	3/6	50	2.5 to 44.3	17.8	ND	26	Yes	
Zinc	5/6	20	14.9 to 45.7	34.4	81.4	1,100	No	S, B

See notes at end of table.

Table 4-17 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs) Site 5 Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] Treatment technology action limit for drinking water distribution systems per "National Primary Drinking Water Regulations" 40 CFR 141 as amended in 57 FR 41345, August 3, 1993.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include:	5-SW1, 5-SW2, 5-SW3, 5-SW4, 5-SW6, and 5-SW7.
Duplicate samples include:	5-SW2D.
Background sample locations include:	5-SW5.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in any background samples.
HHCPCs = human health contaminants of potential concern.
PCBs = polychlorinated biphenyls.
NA = not available.

Table 4-18
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs) Site 5 Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (μg/ℓ)				
No detected analytes were retained as HHCPCs				
Semivolatile Organic Compounds (μg/ℓ)				
No detected analytes were retained as HHCPCs				
Pesticides and PCBs (μg/ℓ)				
No detected analytes were retained as HHCPCs				
Inorganic Compounds (μg/ℓ)				
Calcium	6/6	20,400	28,001	20,400
Iron	6/6	3,610	42,617	3,610
Magnesium	6/6	2,490	2,724	2,490
Manganese	6/6	41.6	90	41.6
Potassium	2/6	3,790	NC	3,790
Sodium	6/6	26,500	34,544	26,500
Vanadium	3/6	44.3	228	44.3

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
μg/ℓ = micrograms per liter.
HHCPCs = human health contaminants of potential concern.
PCBs = polychlorinated biphenyls.
NC = not calculated.

Screening background concentrations were obtained from three upgradient wells (CFS-MW-13S, CFS-MW-14I, and CFS-MW-15D). The location of the monitoring wells considered in this HHRA are shown on Figure 3-8.

HHCPCs were determined based on the procedure described in Section 4.1.2. Table 4-19 summarizes the analytes detected in unfiltered groundwater samples at Site 5. Twelve inorganic compounds (acetone, benzene, 2-hexanone, toluene, trichloroethene, bis(2-ethylhexyl)phthalate, 2,4-dimethylphenol, 2-methylnaphthalene, 4-methylphenol, naphthalene, alpha-chlordane, and beta-HCH), 16 inorganic compounds (aluminum, antimony, barium, beryllium, cadmium, calcium, chromium, iron, lead, magnesium, manganese, mercury, potassium, selenium, sodium, and vanadium), and TRPH were retained as HHCPCs in the groundwater samples at Site 5.

There were two analytes (1,2-dichloroethylene [total] and tetrachloroethene) that were eliminated based solely on frequency of detection. After an analysis of these two compounds, it was determined that neither compound posed a significant risk to human health so they could be eliminated from the risk assessment.

Section 4.1.3.3 describes the method used to determine the EPCs. The maximum detected concentration, 95% UCL, and EPC for the 29 HHCPCs retained after the screening process are provided in Table 4-20.

4.2.2 **Exposure Assessment** Potential sources of exposure related to Site 5 are surface soil, subsurface soil, sediment, surface water, and groundwater. For current and future land uses, all the various media were appropriate to investigate in the HHRA. The following exposure scenarios were identified as possible current land use conditions: (1) incidental ingestion, dermal contact, and inhalation of particulate dust with surface soil by an adult site worker; (2) incidental ingestion, dermal contact, and inhalation of particulate dust with surface soil by a child and adult trespasser; (3) incidental ingestion and dermal contact with surface water by a child and adult trespasser; and (4) incidental ingestion and dermal contact with sediment by a child and adult trespasser. For future land use, the following exposure scenarios can be assumed: (1) incidental ingestion, dermal contact, and inhalation of particulate dust with surface soil by a child and adult resident; (2) incidental ingestion, dermal contact, and inhalation of particulate dust with surface soil by an adult excavation worker; (3) incidental ingestion, dermal contact, and inhalation of particulate dust with surface soil by an adult occupational worker; (4) incidental ingestion, dermal contact, and inhalation of particulate dust with subsurface soil for an adult excavation worker; (5) ingestion and inhalation of shower vapors from groundwater by an adult; (6) incidental ingestion and dermal contact with surface water by a child and adult resident; and (7) incidental ingestion and dermal contact with sediment by a child and adult resident. The exposure scenarios for Site 5 that were evaluated in this HHRA are listed in Table 4-21. Equations for individual exposure scenarios and parameter values used in the equations can be found in Appendix C (Table C-1 to C-10). Following are definitions of the various populations evaluated in this HHRA.

A site worker or maintenance worker would be an adult Navy or civilian personnel that completes monthly (1 day per month) land maintenance on Site 5 (e.g., mowing).

Table 4-19
Selection of Human Health Contaminants of Potential Concern (CPCs) Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compounds (µg/ℓ)								
Acetone	14/30	2 to 60	1 to 8,500	984	ND	370	Yes	
Benzene	3/30	1 to 100	8 to 16	11	ND	[7]0.087	Yes	
2-Butanone	4/30	2 to 200	6 to 150	97	ND	2,200	No	S
1,2-Dichloroethene (total)	1/30	1 to 100	14	14	ND	5.5	No	F
Ethylbenzene	5/30	1 to 100	11 to 41	28	ND	130	No	S
2-Hexanone	2/30	2 to 200	35 to 60	48	ND	NA	Yes	
4-Methyl-2-pentanone	6/30	2 to 200	7 to 190	98	ND	[7]290	No	S
Tetrachloroethene	1/30	1 to 200	2	2	ND	1.1	No	F
Toluene	9/30	1 to 17	21 to 180	111	ND	75	Yes	
Trichloroethene	1/30	1 to 100	19	19	ND	1.6	Yes	M
Xylenes (total)	8/30	1 to 100	56 to 200	117	ND	1,200	No	S
Semivolatile Organic Compound (µg/ℓ)								
bis(2-Ethylhexyl)phthalate	9/30	10 to 200	0.5 to 1,400	180	ND	4.8	Yes	
2,4-Dimethylphenol	6/30	10 to 100	64 to 110	86	ND	73	Yes	
Di-n-butylphthalate	4/30	10 to 200	0.7 to 2	1.7	ND	370	No	S
Diethylphthalate	6/30	10 to 200	0.5 to 8	4.6	ND	2,900	No	S
2-Methylnaphthalene	9/30	10	59 to 1,000	202	ND	NA	Yes	
2-Methylphenol	8/30	10 to 200	14 to 90	60	ND	180	No	S
4-Methylphenol	9/30	10	9 to 820	425	ND	18	Yes	
Naphthalene	10/30	10	0.5* to 610	192	ND	150	Yes	
Phenol	15/30	10 to 200	0.5 to 180	59.2	ND	2,200	No	S
Pesticides and PCBs (µg/ℓ)								
alpha-Chlordane	1/30	0 05 to 10	0.15	0.15	ND	0.052	Yes	M
beta-HCH	2/30	0.03 to 5	0.18 to 4.5	2.34	ND	0.037	Yes	
Endosulfan II	1/30	0.09 to 2	0.21	0.21	ND	22	No	S, F

See notes at end of table.

Table 4-19 (Continued)
Selection of Human Health Contaminants of Potential Concern
Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (μg/ℓ)								
Aluminum	30/30	NA	1,150 to 967,000	100,514	38,780	11,000	Yes	
Antimony	2/30	40	24.2 to 29.4	26.8	ND	1.5	Yes	
Arsenic	21/30	10	2.3 to 79	13.7	86.6	[8]0.038	No	B
Barium	30/30	NA	16.5 to 1,530	138	112	260	Yes	
Beryllium	4/30	5	0.58 to 12.5	4 7	ND	0.016	Yes	
Cadmium	4/30	5	3.5 to 5.9	4.5	ND	1.8	Yes	
Calcium	30/30	NA	1,140 to 120,000	14,339	8,046	NA	Yes	N
Chromium	27/30	10	6 to 583	82 6	ND	[9]18	Yes	
Cobalt	7/30	50	4.6 to 20.9*	11.4	ND	[7]660	No	S
Copper	13/30	25	5.1 to 79	28.3	ND	140	No	S
Iron	29/30	724	724 to 40,600	10,942	7,574	NA	Yes	N
Lead	30/30	NA	1.4 to 214	42	20.4	[10]15	Yes	
Magnesium	30/30	NA	699 to 20,400	3,215	4,154	NA	Yes	N
Manganese	23/30	15	6.3 to 263	53	ND	18	Yes	
Mercury	11/30	0.2	0.23 to 1.5	0.49	0.44	1.1	Yes	
Nickel	11/30	40	12.8 to 68.8	36.2	ND	73	No	S
Potassium	26/30	5,000	800 to 11,800	2,598	3,246	NA	Yes	N
Selenium	12/30	5-10.9	2 to 19.3	9.6	ND	18	Yes	
Sodium	30/30	NA	4,030 to 28,300	8,512	24,386	NA	Yes	N
Vanadium	27/30	50	3.2 to 489	116	56.4	26	Yes	
Zinc	12/30	20 to 25	26.4 to 163	76.8	68.6	1,100	No	S
Total Recoverable Petroleum Hydrocarbon (mg/ℓ)								
	9/30	0.06 to 2.5	0 62 to 160	23.5	ND	NA	Yes	

See notes on next page.

Table 4-19 (Continued)
Selection of Human Health Contaminants of Potential Concern
Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value reflects updated information from the April 20, 1994, USEPA Region III RBC tables.
[8] The value is based on arsenic as a carcinogen.
[9] The value is based on chromium hexavalent form.
[10] Treatment technology action limit for drinking water distribution systems per "National Primary Drinking Water Regulations" 40 CFR 141 as amended in 57 FR 41345, August 3, 1993.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: CEF5-3, CEF5-4, CEF5-5, CEF5-6, CEF5-7S, CEF5-10S, CEF5-11I, CEF5-12D, CEF5-24S, CEF5-25I, CEF5-26D, CEF5-27S, CEF5-8S, CEF5-9I, CFMW3S,CFMW 4S, CFMW5S, CFMW6S, CFMW7S, CFMW16S, CFMW17I, CFMW18D, CFMW19S, CFMW20S, CFMW21I, CFMW22D, CFMW23S, CFMW29S, and CFMW30S.

Duplicate samples include: CEF29SDUP and CEF18SDUP.
Background sample locations include: CEF5MW13, CEF5MW14, and CEF5MW15.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).
mg/ℓ = milligrams per liter.
TRPH = total recoverable petroleum hydrocarbon.

Table 4-20
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs), Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (μg/ℓ)				
Acetone	14/30	8,500	19,930	8,500
Benzene	3/30	16	16	16
2-Hexanone	2/30	60	NC	60
Toluene	9/30	180	441	180
Trichloroethene	1/30	19	NC	16.6
Semivolatile Organic Compounds (μg/ℓ)				
bis(2-Ethylhexyl) phthalate	9/30	1,400	66.7	66.7
2,4-Dimethylphenol	6/30	110	38.5	38.5
2-Methylnaphthalene	9/30	1,000	116	116
4-Methylphenol	9/30	820	508	508
Naphthalene	10/30	610	226	226
Pesticides and PCBs (μg/ℓ)				
alpha-Chlordane	1/30	0.15	NC	0.15
beta-HCH	2/30	4.5	NC	4.5
Inorganic Compounds (μg/ℓ)				
Aluminum	30/30	967,000	503,833	503,833
Antimony	2/30	29.4	NC	29.4
Barium	30/30	1,530*	187	187
Beryllium	4/30	12.5*	3.2	3.2
Cadmium	4/30	5.9	3	3
Calcium	30/30	120,000	25,336	25,336
Chromium	27/30	583	187	187
Iron	29/30	40,600	35,596	35,596
Lead	30/30	214	108	108
Magnesium	23/30	8,300	4,230	4,230
Manganese	23/30	263	68	68
Mercury	11/30	1.5	0.31	0.31
Potassium	26/30	11,511.2*	3,262	3,262

See notes at end of table.

Table 4-20 (Continued)
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs), Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Inorganic Compounds (μg/ℓ)–continued				
Selenium	12/30	19.3	6.8	6.8
Sodium	30/30	28,300	9,897	9,897
Vanadium	27/30	489	314	314
Total Recoverable Petroleum Hydrocarbons (mg/ℓ)				
	9/30	160	9.5	9.5

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
μg/ℓ = micrograms per liter.
NC = not calculated.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).
mg/ℓ = milligrams per liter.
TRPH = total recoverable petroleum hydrocarbon.

Table 4-21
Human Health CPC Exposure Routes Evaluated, Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Exposure Medium Exposure Route	Site Worker	Excavation Worker	Occupational Worker	Adult Resident	Child Resident	Adult Trespasser	Child Trespasser
Surface Soil							
Incidental ingestion	x	x	x	x	x	x	x
Dermal contact	x	x	x	x	x	x	x
Inhalation of particulates	x	x	x	x	x	x	x
Subsurface Soil							
Incidental ingestion		x					
Dermal contact		x					
Inhalation of particulates		x					
Groundwater							
Ingestion				x			
Inhalation of shower vapors				x			
Surface Water							
Incidental Ingestion				x	x	x	x
Dermal Contact				x	x	x	x
Sediment							
Ingestion				x	x	x	x
Dermal contact				x	x	x	x

Note: x = exposure evaluated in human health baseline risk assessment.

Adult trespassers could include individuals who engage in recreational activities (i.e., hunting or swimming) on the property. These individuals could be Navy personnel, guests, or civilians. Child trespassers include children that currently live on the facility, visit the facility, or trespass onto the facility.

An excavation worker would include individuals involved in the excavation of the site. An example of excavation workers would be construction workers preparing the site for future building opportunities.

Occupational workers are individuals that work in close (less than 200 feet) proximity to the site for a minimum of 250 days per year. Currently there are no individuals working this close to OU 2; however, there is a possibility of individuals working in close proximity of the site in future years.

Residential land use (child and adult) was assumed according to USEPA Region IV guidance (USEPA, 1991d).

4.2.2.1 **Surface Soil** Under current land use, exposure to analytes through ingestion, inhalation of particulates (Appendix D, Section D.1), and dermal contact (Appendix D, Section D.4) by the adult site worker, child trespasser, and adult trespasser were evaluated. The equations and parameter values used for these specific exposure scenarios are provided in Appendix C (Tables C-2 and C-3). For future land use, a resident (child and adult), an adult excavation worker, and an occupational worker were chosen as exposure scenarios (Appendix C, Table C-1 and Tables C-4 and C-5).

4.2.2.2 **Subsurface Soil** For current land use, there were no scenarios involving contact with subsurface soil. For future land use, an adult excavation worker was identified as a complete exposure pathway. The equations and parameter values used for this scenario are provided in Appendix C (Table C-4). The leaching of contaminants from the subsurface soil to groundwater was not addressed in this document.

4.2.2.3 **Sediment** Rowell Creek is designated as a Class III recreational body of water by FDEP. Its primary uses are recreation, propagation, and management of fish and wildlife (Jacksonville Area Planning Board, 1980). Current exposure to sediment on this site would be through ingestion and dermal contact by a child and adult trespasser in a wading scenario. A swimming scenario was not appropriate because of the depth of the water under normal conditions is usually less than 1 foot. These scenarios were evaluated as current land use (Appendix C, Table C-7).

For future land use, scenarios were evaluated for the resident (child and adult) wader (Appendix C, Table C-6). Exposure to contaminants in sediment occurs through ingestion and dermal contact while wading in the water.

4.2.2.4 **Surface Water** As described in Subsection 4.2.2.3, Rowell Creek is a recreational body of water, and exposure to surface water through ingestion and dermal contact was evaluated for the child and adult wader. Scenarios evaluated for current land use were the child and adult trespasser exposure to surface water while wading (Appendix C, Table C-9).

The resident (child and adult) wader scenario was used to evaluate the future use of the land (Appendix C, Table C-8). Exposure to contaminants for the resident wader in surface water occurs via ingestion and dermal contact.

4.2.2.5 **Groundwater** Groundwater is not currently being used at Site 5; however, groundwater could be used in the future. Exposure through use of groundwater was evaluated for an adult future resident. As a result of domestic use of groundwater, a future resident could be exposed to contaminants via two routes: (1) ingestion of water or beverages made with water, and (2) inhalation of vapors while showering. As recommended by USEPA Region IV (USEPA, 1993a), only the adult was evaluated for risk associated with exposure to groundwater. This guidance also indicates that dermal absorption of contaminants from groundwater are not be evaluated in the risk assessment. The exposure parameters used to estimate the risk of future residential use of groundwater are presented in Appendix C (Table C-10).

4.2.3 **Toxicity Assessment** The purpose of the toxicity assessment is to identify the adverse effects that have been associated with the exposure to each analyte and to identify the relationship between level of exposure and severity or likelihood of adverse effects. Methods used for toxicity assessment were described in Subsection 4.1.4. Toxicity profiles for each of the HHCPCs are presented in Appendix E. This information was used to estimate the cancer risk for carcinogens and the HI for all HHCPCs.

4.2.4 **Risk Characterization** Quantitative estimates of both carcinogenic and noncarcinogenic risks were calculated for each HHCPC and each exposure scenario selected for evaluation in the exposure assessment. Surface soil, subsurface soil, sediment, surface water, and groundwater (unfiltered) are discussed in the following sections. A summary of the risk estimates, both carcinogenic and noncarcinogenic, are provided in Tables 4-22 through 4-24.

4.2.4.1 **Surface Soil** As discussed in Section 4.2.2.1, exposure of receptor populations to contaminants in surface soil was quantified according to USEPA guidance. The equations used to estimate the potential exposures and the associated risks are presented in the risk calculation spreadsheets in Appendix F (Tables F-1 through F-14). Carcinogenic and noncarcinogenic risk estimates are summarized in Table 4-22. The cancer risks associated with contact with surface soil for all pathways were within the USEPA acceptable cancer risk range. The total cancer risk associated with ingestion, inhalation, and dermal absorption of surface soil contaminants were $8x10^{-7}$ for a child trespasser (current land use), $7x10^{-7}$ for an adult trespasser (current land use), $5x10^{-7}$ for the site worker (current land use), $1x10^{-5}$ for the child resident (future land use), $1x10^{-5}$ for the adult resident (future land use), $5x10^{-8}$ for the excavation worker (future land use), and $9x10^{-6}$ for the occupational worker (future land use). The highest cancer risk was $2x10^{-5}$ for the total resident (additive risk of child and adult), which was within the acceptable cancer risk range.

None of the HIs for ingestion, inhalation, and dermal absorption of surface soil exceeded the USEPA guidance value for noncarcinogenic effects (an HI greater than 1). The HIs associated with surface soil were 0.002 for the child trespasser (current land use), 0.001 for the adult trespasser (current land use), 0.0006 for the site worker (current land use), 0.1 for the child resident (future land use), 0.02 for the adult resident (future land use), 0.0005 for the excavation worker,

Table 4-22
Summary Of Human Health Risks
Soil at Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Land Use	Media	Receptor	Exposure Route	Cancer Risk	Hazard Index
Current	Surface soil	Child trespasser			
			Incidental ingestion	4×10^{-7}	0.001
			Dermal contact	4×10^{-7}	0.0007
			Inhalation of particulates	7×10^{-11}	0.0003
			Total	8×10^{-7}	0.002
	Surface soil	Adult trespasser			
			Incidental ingestion	3×10^{-7}	0.0006
			Dermal contact	4×10^{-7}	0.0004
			Inhalation of particulates	6×10^{-11}	0.0001
			Total	7×10^{-7}	0.001
	Surface soil	Site worker			
			Incidental ingestion	2×10^{-7}	0.0003
			Dermal contact	3×10^{-7}	0.0002
			Inhalation of particulates	7×10^{-11}	0.0001
			Total	5×10^{-7}	0.0006
Future	Surface soil	Excavation worker			
			Incidental ingestion	4×10^{-8}	0.004
			Dermal contact	1×10^{-8}	0.0005
			Inhalation of particulates	1×10^{-11}	0.0009
			Total	5×10^{-8}	0.005
	Subsurface soil	Excavation worker			
			Incidental ingestion	9×10^{-8}	0.01
			Dermal contact	1×10^{-8}	0.001
			Inhalation of particulates	3×10^{-10}	0
			Total	1×10^{-7}	0.01
	Surface soil	Child resident			
			Incidental ingestion	1×10^{-5}	0.08
			Dermal contact	3×10^{-6}	0.01
			Inhalation of particulates	5×10^{-9}	0.03
			Total	1×10^{-5}	0.12
	Surface soil	Adult resident			
			Incidental ingestion	5×10^{-6}	0.009
			Dermal contact	7×10^{-8}	0.006
			Inhalation of particulates	4×10^{-8}	0.007
			Total	1×10^{-5}	0.02
		Total resident	Child plus adult	2×10^{-5}	
	Surface soil	Occupational worker			
			Incidental ingestion	4×10^{-6}	0.006
			Dermal contact	5×10^{-6}	0.005
			Inhalation of particulates	2×10^{-9}	0.003
			Total	9×10^{-6}	0.01

Table 4-23
Summary Of Human Health Risks
Sediment and Surface Water at Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Land Use	Media	Receptor	Exposure Route	Cancer Risk	Hazard Index
Current	Surface water	Child trespasser			
			Incidental ingestion	0	0.003
			Dermal contact	0	0.007
			Total	0	0.01
	Surface water	Adult trespasser			
			Incidental ingestion	0	0.002
			Dermal contact	0	0.006
			Total	0	0.008
Future	Surface water	Child resident			
			Incidental ingestion	0	0.02
			Dermal contact	0	0.02
			Total	0	0.04
	Surface water	Adult resident			
			Incidental ingestion	0	0.003
			Dermal contact	0	0.01
			Total	0	0.01
	Surface water	Total resident	Child plus adult	0	
Current	Sediment	Child trespasser			
			Incidental ingestion	6×10^{-7}	0.006
			Dermal contact	6×10^{-7}	0.001
			Total	1×10^{-6}	0.007
	Sediment	Adult trespasser			
			Incidental ingestion	6×10^{-7}	0.004
			Dermal contact	8×10^{-7}	0.0008
			Total	1×10^{-6}	0.005
Future	Sediment	Child resident			
			Incidental ingestion	4×10^{-6}	0.07
			Dermal contact	9×10^{-7}	0.003
			Total	5×10^{-6}	0.07
	Sediment	Adult resident			
			Incidental ingestion	2×10^{-6}	0.008
			Dermal contact	2×10^{-6}	0.002
			Total	4×10^{-6}	0.01
	Sediment	Total resident	Child plus adult	8×10^{-6}	

Table 4-24
Summary Of Human Health Risks, Groundwater Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Land Use	Media	Receptor	Exposure Route	Cancer Risk	Hazard Index
Future	Groundwater	Adult Resident			
			Incidental Ingestion	3×10^{-4}	30
			Inhalation of Volatiles	3×10^{-6}	0.02
			Total	3×10^{-4}	30

and 0.01 for the occupational worker (future land use). The highest HI was 0.1 for the child resident, which does not exceed the USEPA guidance value (an HI greater than 1).

4.2.4.2 **Subsurface Soil** Exposure of receptors to contaminants in subsurface soil was calculated according to USEPA guidance as discussed in Subsection 4.2.2.2. The equations used to estimate intakes and the associated risks are presented in Appendix F (Tables F-15 and F-16). A summary of the risks associated with subsurface soil are summarized in Table 4-22. The cancer risks associated with ingestion, inhalation, and dermal absorption of subsurface soil were within the USEPA acceptable cancer risk range (10^{-4} to 10^{-6}). The cancer risk associated with ingestion, inhalation, and dermal absorption of subsurface soil was $1x10^{-7}$ for the excavation worker (future land use).

The HI for ingestion, inhalation, and dermal absorption of subsurface soil by an excavation worker did not exceed the USEPA guidance value for noncarcinogenic effects. The HI associated with subsurface soil was 0.01 for the excavation worker.

4.2.4.3 **Sediment** Exposure of receptors to contaminants in sediment was quantified according to Subsection 4.2.2.3. The equations used to estimate intake and the risks associated with these intakes are presented in Appendix F (Tables F-17 through F-20). Table 4-23 summarizes the risks associated with sediment exposure. The cancer risks for all the exposure scenarios were within the acceptable cancer risk range, as determined by USEPA guidance. Cancer risks associated with ingestion and dermal contact of sediment were $1x10^{-6}$ for the child trespasser, $1x10^{-6}$ for the adult trespasser, $5x10^{-6}$ for the child resident, and $8x10^{-6}$ for the adult resident.

None of the HIs for sediment ingestion and dermal contact exceed the USEPA guidance value for noncarcinogenic effects. The HIs associated with sediment were 0.007 for the child trespasser, 0.005 for the adult trespasser, 0.07 for the child resident, and 0.01 for the adult resident.

4.2.4.4 **Surface Water** Exposure of receptors to contaminants in surface water was quantified according to Subsection 4.2.2.4. The equations used to estimate intake and the associated risks are presented in Appendix F (Tables F-21 through F-24). Table 4-23 summarizes the risks associated with surface water exposure. There were no cancer risks associated with ingestion or dermal exposure to surface water at Site 5 because none of the HHCPCs are considered to be carcinogenic.

None of the HIs for surface water ingestion exceed the USEPA guidance value for noncarcinogenic effects. The HIs associated with surface water ingestion and dermal contact were 0.01 for the child trespasser, 0.008 for the adult trespasser, 0.04 for the child resident, and 0.01 for the adult resident.

4.2.4.5 **Groundwater** Risk calculation spreadsheets for ingestion and inhalation of contaminants appear in Appendix F (Tables F-25 and F-26). Table 4-24 summarizes the risk associated with groundwater exposure. As shown in this table, the cancer risks associated with domestic use (ingestion and inhalation of VOCs while showering) of groundwater was $3x10^{-4}$ for the future adult resident. This cancer risk value was outside the USEPA acceptable cancer risk range. The major contributor to the cancer risk was beryllium ($2x10^{-4}$) in the drinking water ingestion scenario (Table F-23).

The HI associated with domestic use of groundwater (future land use) was 30. This value exceeds the USEPA guidance value for noncarcinogenic effects. Major contributors to this HI were acetone (HQ=2), benzene (HQ=2), 4-methylphenol (HQ=3), aluminum (HQ=14), antimony (HQ=2), chromium (HQ=1), and vanadium (HQ=1).

Benzene, trichloroethene, bis(2-ethylhexyl)phthalate, antimony, chromium, and lead are chemicals detected in groundwater that exceeded either the Federal or State MCLs.

4.2.4.6 **Use Scenario Risk for Site 5** Total risk for each use scenario (resident (adult and child), trespasser (adult and child), and excavation worker) at Site 5 was calculated. The other scenarios (occupational and site worker) had exposure to only one media so total risk was equal to the risk associated with that one media. For the child resident, the total cancer and noncancer risks associated with sediment and surface water exposure were $1.5x10^{-5}$ and 0.23, respectively. For the adult resident, the total cancer and noncancer risks associated with soil, sediment, surface water, and groundwater exposure were $3x10^{-4}$ and 30, respectively. The total cancer and noncancer risks associated with soil, sediment, and surface water exposure by the child trespasser were $1.8x10^{-6}$ and 0.019, respectively. The total cancer and noncancer risks associated with soil, sediment, and surface water exposure by the adult trespasser were $1.7x10^{-6}$ and 0.014, respectively. The cancer and noncancer risks associated with exposure to surface and subsurface soil by the excavation worker were $1.5x10^{-7}$ and 0.015, respectively.

4.2.5 **Uncertainty Analysis** Table 4-10 summarizes the uncertainties associated with methodology used to determine the risk associated with this HHRA. Uncertainties in the various steps of the RA process may overestimate or underestimate the actual risk at Site 5. The following sections describe the uncertainties associated with the various steps (data evaluation, exposure assessment, toxicity assessment, and the risk characterization) of the RA methodology.

4.2.5.1 **Data Evaluation** Some uncertainty was associated with the representative nature of the data collected to complete the risk evaluation at Site 5. Data were collected to best represent the current conditions at Site 5 in surface soil, subsurface soil, sediment, surface water, and groundwater. The data collected at Site 5 are believed to be representative of the current media conditions (see Section 3.6).

4.2.5.2 **Exposure Assessment** In development of exposure scenarios, assumptions used in the scenarios may not be representative of the actual conditions at the site. For example, the ingestion rate of sediment, which was the same as the ingestion rate for soil, probably overestimates the intake of sediment. This in turn will overestimate the risk from exposure to sediment. The majority of assumptions in the exposure scenarios probably overestimate the actual risks at the site.

In determining the EPC, the lesser of either the maximum detected concentration or the 95 percent UCL was used in this risk assessment. This methodology was based on USEPA guidance; however, it probably overestimates the risk.

In assessing the risk of a given population, parameters such as body weight, surface area, and inhalation rates are set at a single value. Populations are not uniform and consist of people of different ages, weights, and body surface

areas. Within a given population, individuals may be more susceptible to adverse effects of certain chemicals. Differences in sensitivity to chemicals are due to genetic factors, pregnancy, age, or other factors. It was not known if these factors would underestimate or overestimate the actual risk at the site.

4.2.5.3 **Toxicity Assessment** Uncertainties in the toxicity assessment step of the RA can overestimate or underestimate the actual risk at Site 5. One area of uncertainty was the CSFs and RfDs. These toxicity values are based on conservative assumptions that are not always accepted by the scientific community. USEPA, on the issue of conservative assumptions for RfDs, states "EPA is reasonably confident that the 'true risk' will not exceed the risk estimate derived through the use of this model and is likely to be less than predicted" (USEPA, 1989a). The actual risks at the site were most likely overestimated due to these conservative assumptions.

There are a large percentage of chemicals for which there are no toxicity values. For the OU 2 risk assessment, risk estimates are based on only a percentage (about 30 percent for soils and sediment) of the HHCPCs. This creates a gap in the quantitative estimate of risk. When risk is only calculated on a percentage of the HHCPCs, the risk at the site is underestimated. The magnitude of this underestimate in another area of uncertainty. The risk estimate on the 30 percent of the HHCPCs could represent 90 percent of the total risk or it could represent only 40 percent of the total risk. Because toxicity values for most of the known carcinogens have been developed and assumptions used in the risk assessment are conservative, risk estimates probably only slightly underestimate the total risk.

Another area of uncertainty are issues surrounding lead. No toxicity values have been developed for this compound. Because there are no toxicity values for lead, the contribution of lead to overall risk cannot be evaluated. In most cases this will underestimate the actual risk at the site in question.

For example, the maximum detected concentration of lead in groundwater was compared to an action level of 15 $\mu g/\ell$ for groundwater (USEPA, 1993a). Site 5 has a maximum detected level of 214 $\mu g/\ell$ which exceeds the action of lead in drinking water. Because no toxicity information was available, lead does not contribute to the cancer risk or to the HI. This situation probably underestimates the actual risks associated with groundwater exposure.

USEPA has developed the Integrated Exposure Uptake Biokinetic Model (IEUBK - version 0.99d), which predicts the blood lead level in children from age 1 to 6. This model uses site-specific concentrations of lead in the various media to determine if exposure to these sources by children will result in a blood lead level over 10 micrograms per deciliter ($\mu g/d\ell$). For Site 5, the maximum concentrations of lead in groundwater (214 $\mu g/\mu$)and soil (88.9 $\mu g/g$) were used as parameter values in the IEUBK model. Model results show predicted blood lead concentrations ranged from 11.3 to 16.4 $\mu g/d\ell$ for the child at various ages. The highest blood lead concentration of 16.4 $\mu g/d\ell$ is only slightly elevated above the 10 $\mu g/d\ell$ level.

In the selection of HHCPCs for soil, the maximum detected concentration was compared to a target level for cleanup of lead at Superfund sites of 500 mg/kg (USEPA OSWER Directive, 1989d). At this particular site the maximum detected concentration in soil fell below this cleanup level; therefore, lead was not

considered an HHCPC. It is unlikely that the cancer risks and HIs for soil were substantially underestimated due to the omission of lead from the risk assessment.

Risk for all exposure pathways could be underestimated because TRPH was not included in the HHRA. Risk calculations could not performed on TRPH because there is no toxicity information (RfDs or CSFs). However, an analysis of the soil cleanup level of 50 mg/kg was performed (Appendix G). This cleanup level proved to be protective of human health.

In this risk assessment, all chromium is assumed to be hexavalent. However, actual chemical analyses shows that the predominant form of chromium found at OU 2 was the trivalent form. In this situation, risk is overestimated because the RfD for hexavalent chromium is more conservative because it is a carcinogen.

Arsenic CSFs are another source of uncertainty. Two oral CSFs exist for arsenic, an unmodified CSF (1.75 $mg/kg/day^{-1}$) and a modified CSF (0.175 $mg/kg/day^{-1}$). The unmodified CSF provides a more conservative number and was used in this HHRA. The use of this conservative CSF could overestimate the risk.

According to USEPA guidance, unfiltered groundwater concentrations are used to determine the risk associated with ingestion and inhalation of vapors of groundwater. The use of unfiltered data could overestimate the risk, especially for metals, associated with the groundwater exposure scenarios. Unfiltered groundwater samples collected at OU 2 had elevated levels of metals that could be attributed to the turbidity of the samples. The RI report for OU 2 contains a more thorough discussion of turbidity and elevated metal concentrations in groundwater.

The total carcinogenic risk associated with exposure to unfiltered groundwater at Site 5 is $3x10^{-4}$. Beryllium is the chemical with the highest risk ($2x10^{-4}$). However, if filtered groundwater data are used in place of the unfiltered data, the total cancer risk drops to $1x10^{-4}$. With filtered groundwater, beryllium was not detected and is excluded from the RA. Appendix G contains the CPC table, EPC table, and the risk spreadsheets for assessment of risk using filtered groundwater data.

4.2.5.4 Risk Characterization A single media contains a mixture of chemicals that can lead to uncertainties. Guidelines from USEPA state that if sufficient data are not available on the effects of chemical mixtures of concern, or a similar mixture, the effects of different chemicals are considered additive (USEPA, 1986b). According to the USEPA, this guidance will yield a risk that was neither conservative nor liberal. In more recent USEPA guidance (1989a), additivity of the effects of different chemicals could be overestimating or underestimating the actual risk.

4.2.6 Summary and Remedial Goal Options The estimated risks associated with exposure to surface soil, subsurface soil, sediment, and surface water were all within the USEPA acceptable cancer risk range and the USEPA guidance value for noncarcinogenic effects. However, the risk associated with groundwater exposure exceeded both the cancer and noncancer guidance values and several analytes were present at concentrations that exceed MCLs. Based on this information, RGOs were calculated for the groundwater.

RGOs were calculated for media with an incremental lifetime cancer risk greater than 1 in 10,000 or with a total HI greater than 1 (see Section 4.1.5). For all the media that fall into this category, individual chemicals within the media with an estimated cancer risk greater than 10^{-6} and an HQ greater than 0.1 were evaluated in the RGOs. The RGOs for groundwater at Site 5 are presented in Table 4-25.

4.3 HUMAN HEALTH RISK ASSESSMENT FOR SITE 17. A description of the methodology used to complete the HHRA for Site 17 has been presented in Section 4.1.

4.3.1 Selection of Contaminants of Potential Concern Selection of HHCPCs for Site 17 was performed based on the USEPA criteria presented in Subsection 4.1.2. HHCPCs were selected for surface soil, subsurface soil, and groundwater. Sediment and surface water will not be considered as a part of this RA because there appears to be no contaminant migration to any surface water or sediment. Currently, sampling is being conducted and any necessary adjustments will be made to the HHRA if warranted. The background data are summarized in Table 3-1 of this report.

4.3.1.1 Surface Soil Surface soil samples were collected from 14 different locations (CF-17SS1 through CF-17SS14) at Site 17. Locations of the surface soil samples are shown on Figure 3-2. An Arent soil population, as described in the RI, was used for background concentrations in the screening process. Background concentrations are in Table 3-1.

Table 4-26 contains a list of analytes detected in surface soil at Site 17. Nine organic compounds, 11 inorganic compounds, and TRPH were detected in the surface soil at Site 17. TRPH and calcium were the only chemicals selected as HHCPCs (Table 4-27).

4.3.1.2 Subsurface Soil Subsurface soil samples were collected from 30 different locations at Site 17 (Figures 3-5 and 3-6). Background data for subsurface soil were obtained from the background monitoring network (see Section 3.5 of this document). Background concentrations for subsurface soil can be found in Table 3-2.

Analytes that were detected in the subsurface soil of Site 17 are shown in Table 4-28. Of the 52 compounds detected in subsurface soil at Site 17, only 11 compounds were selected as HHCPCs. Six organic compounds (dibenzofuran, fluorene, fluoranthene, naphthalene, pyrene, and 2-methylnaphthalene), four inorganic compounds (calcium, chromium, magnesium, and manganese), and TRPH were selected.

One chemical was eliminated based solely on frequency of detection, pentachlorophenol. The risk associated with this chemical was minimal, so it was eliminated from the risk assessment as an HHCPC.

EPCs were determined according to Subsection 4.1.3.3. The maximum detected concentration, 95% UCL, and EPC for the eight HHCPCs retained after the screening process are provided in Table 4-29.

4.3.1.3 Sediment Selection of HHCPCs for sediment is discussed in Appendix T of this document (Section T.3.1).

Table 4-25
Remedial Goal Options, Site 5 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Range of Detected Concentrations	Total Lifetime Cancer Risk			Total Hazard Index			Florida Guidance Concentration[1] (µg/ℓ)	Federal MCL[2] (µg/ℓ)
		$1x10^{-4}$	$1x10^{-5}$	$1x10^{-6}$	10	1	0.1		
Volatile Organic Compounds (µg/ℓ)									
Acetone	1 to 8,500				37,000	3,700	370	700	ND
Benzene	8 to 16	204	20.4	2.04	110	11	1.1	1	5
Trichloroethene	19	641	64.1	6.41				3	5
Semivolatile Organic Compounds (µg/ℓ)									
4-Methylphenol	9 to 820				1,810	181	18.1	35	ND
bis(2-Ethylhexyl)phthalate	0.5 to 1,400	607	60.7	6.07				6	6
Naphthalene	0.5 to 610				15,067	1,506	150	6.8	ND
Pesticides and PCBs µg/ℓ									
alpha-Chlordane	0.15	6.5	0.65	0.065				[3]2	[3]2
beta-HCH	0.18 to 4.5	4.74	0.474	0.0474				0.1	100
Inorganic Compounds (µg/ℓ)									
Aluminum	1,150 to 967,000				360,000	36,000	3,600	200	[4]200
Antimony	24.2 to 29.4				147	14.7	1.47	6	6
Beryllium	0.58 to 12.5	2.0	0.2	0.02				4	4
Cadmium	3.5 to 5.9				188	18.8	1.88	5	5
Chromium	6 to 583				1,870	187	18.7	100	100
Manganese	6.3 to 263				1,838	183.8	18.38	50	[4]50
Vanadium	3.2 to 489				2,600	260	26.0	49	ND

[1] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994)
[2] U.S. Environmental Protection Agency (USEPA), 1994a, Drinking Water Regulations and Health Advisories, Office of Water, May 1994.
[3] Value is for Chlordane.
[4] Secondary maximum contaminant level (MCL).

Notes: Potential future land use: residential
Medium: groundwater
Exposure routes: ingestion of groundwater as drinking water and inhalation of volatiles while showering.

MCL = maximum contaminant level.
µg/ℓ = micrograms per liter.
ND = no data.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).

Table 4-26
Selection of Human Health Contaminants of Potential Concern (CPC), Site 17 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[8]
Volatile Organic Compounds (µg/kg)								
Acetone	2/14	12 to 16	190* to 5,200	2,695	ND	780,000	No	S
2-Butanone	2/14	12 to 16	127.5* to 1,400	764	ND	4,700,000	No	S
Toluene	2/14	6 to 860	3 to 133*	68	ND	1,600,000	No	S
Xylenes (total)	3/14	6 to 860	3 to 6	4	ND	16,000,000	No	S
Semivolatile Organic Compounds (µg/kg)								
Benzo(b)fluoranthene	1/14	400 to 530	30	30	ND	880	No	S
bis(2-Ethylhexyl)phthalate	5/14	400 to 530	25 to 75	42	ND	46,000	No	S
4-Methylphenol	4/14	400 to 530	66 to 780*	274	ND	39,000	No	S
Phenol	1/14	400 to 530	79*	79	ND	4,700,000	No	S
Pesticides and PCBs (µg/kg)								
4,4-DDE	1/14	0.6 to 4.6	0.45	0.45	ND	1,900	No	S
Inorganic Compounds (mg/kg)								
Aluminum	14/14	NA	613 to 3,300	1,323	29,086	23,000	No	S, B
Arsenic	3/14	2 to 2	0.48 to 0.815*	0.68	3.6	[7]0.37	No	B
Barium	5/14	40 to 40	3.8 to 10	6.1	21	550	No	S, B
Calcium	14/14	NA	97.8 to 8,680	1,913	ND	NA	Yes	N
Chromium	8/14	2 to 2	2.75* to 4.4	3.5	31.2	[8]39	No	S, B
Iron	14/14	NA	265 to 1,550	527	8,060	NA	No	B
Lead	14/14	NA	2.4* to 16.8	6.3	15.6	[9]400	No	S
Magnesium	6/14	1,000 to 1,000	70.9 to 449	164	474	NA	No	B
Manganese	5/14	3 to 3	6.9 to 30.7	12.2	17	39	No	S
Thallium (salts)	1/14	2 to 2	0.31	0.31	ND	0.63	No	S
Vanadium	14/14	NA	1 3 to 4.2	2.3	34.2	55	No	S, B
Total Recoverable Petroleum Hydrocarbons (mg/kg)								
	9/14	12 to 16	15 to 210	69.2	ND	NA	Yes	

See notes on next page.

Table 4-26 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPC), Site 17 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001). Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value is based on arsenic as a carcinogen.
[8] The value is based on chromium hexavalent form.
[9] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for CERCLA and RCRA sites.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include:	CF17SS1 through CF17SS14.
Duplicate samples include:	CF17SS3D and CF17SS12D.
Background sample locations include:	CEFBSS01, CEFBSS02, CEFBSSO3, and CEFBSSO4.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
µg/kg = micrograms per kilogram.
ND = not detected in any background samples.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethane.
mg/kg = milligrams per kilogram.

Table 4-27
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs), Site 17 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/kg)				
No detected analytes Were retained as HHCPCs.				
Semivolatile Organic Compounds (µg/kg)				
No detected analytes were retained as HHCPCs.				
Pesticides and PCBs (µg/kg)				
No detected analytes were retained as HHCPCs.				
Inorganic Compounds (mg/kg)				
Calcium	14/14	8,680	7,707	7,707
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
	9/14	210	132	132

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
µg/kg = micrograms per kilogram.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilogram.

Table 4-28
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatile Organic Compounds (µg/kg)								
Acetone	17/30	11 to 1,600	160 to 7,900	1,951	ND	780,000	No	S
2-Butanone	3/30	11 to 2,100	4 to 150	54	ND	4,700,000	No	S
Chlorobenzene	1/30	6 to 1,000	300	300	ND	160,000	No	S, F
Ethylbenzene	7/30	6 to 1,000	20 to 1,500	748	ND	780,000	No	S
Methylene chloride	12/30	6 to 1,600	3 to 58,000	6,129	ND	85,000	No	S
4-Methyl-2-pentanone	4/30	11 to 2,100	45 to 840	260	ND	[7]630,000	No	S
Toluene	8/30	6 to 1,000	3 to 1,400*	845	ND	1,600,000	No	S
Trichloroethene	2/30	6 to 1,000	13 to 790	402	ND	[7]58,000	No	S
Xylenes (total)	8/30	6 to 1,600	110 to 14,000	6,039	ND	16,000,000	No	S
Semivolatile Organics (µg/kg)								
bis(2-Ethylhexyl)phthalate	23/30	380 to 8,400	21 to 6,000	366	ND	46,000	No	S
Benzo(b)fluoranthene	1/30	380 to 8,400	37	37	ND	880	No	S
Chrysene	1/30	380 to 8,400	25	25	ND	88,000	No	S, F
1,2-Dichlorobenzene	3/30	380 to 8,400	68 to 18,000	6,063	ND	700,000	No	S
1,3-Dichlorobenzene	1/30	380 to 8,400	920	920	ND	700,000	No	S, F
1,4-Dichlorobenzene	2/30	380 to 8,400	115* to 730	423	ND	27,000	No	S
2,4-Dimethylphenol	2/30	380 to 8,400	150 to 210	180	ND	160,000	No	S
Di-n-butylphthalate	9/30	380 to 8,400	26 to 100	62.4	ND	780,000	No	S
Dibenzofuran	2/30	380 to 8,400	1,600 to 1,900	1,750	ND	NA	Yes	
Diethylphthalate	1/30	380 to 8,400	28	28	ND	6,300,000	No	S
Fluorene	2/30	380 to 8,400	800 to 1,400	1,100	ND	310,000	Yes	C
Fluoranthene	2/30	380 to 8,400	31 to 1,285*	658	ND	310,000	Yes	C
2-Methylnaphthalene	5/30	380 to 8,400	44 to 47,000	21,609	ND	NA	Yes	
2-Methylphenol	3/30	380 to 8,400	56 to 170	119	ND	390,000	No	S

See notes at end of table.

Table 4-28 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Semivolatile Organics (µg/kg)—continued								
4-Methylphenol	2/30	380 to 8,400	100 to 170	135	ND	39,000	No	S
Naphthalene	7/30	380 to 8,400	21 to 19,000	7,489	ND	310,000	Yes	C
Pentachlorophenol	1/30	930 to 20,000	5,900*	5,900	ND	5,300	No	F
Phenol	1/30	380 to 8,400	36	36	ND	4,700,000	No	S
Pyrene	1/30	380 to 8,400	31	31	ND	230,000	Yes	C
Pesticides and PCBs (µg/kg)								
Aldrin	1/30	0.35 to 10	2.3	2.3	ND	38	No	S, F
alpha-HCH	1/30	2 to 10	0.62	0.62	ND	100	No	S, F
beta-HCH	2/30	0.6 to 10	12.5*	12.5	ND	350	No	S
4,4-DDE	2/30	0.6 to 20	0.44 to 0.55	0.5	ND	1900	No	S
Endosulfan II	1/30	3.8 to 20	0.44	0.44	ND	47,000	No	S, F
Hexachlorobenzene	1/30	380 to 8,400	100	100	ND	400	No	S, F
Methoxychlor	2/30	0.7 to 100	1.6 to 3.4	2.5	ND	39,000	No	S
Inorganic Compounds (mg/kg)								
Aluminum	30/30	NA	547 to 5,140	1,631	11,132	23,000	No	S, B
Barium	13/30	40 to 200	0.95 to 13.1	4.9	13.96	550	No	S, B
Calcium	28/30	1,000 to 5,000	107 to 53,000	4,094	350.7	NA	Yes	N
Chromium	20/30	2 to 10	1.6 to 41 2	6.1	15.7	[8]39	Yes	
Copper	4/30	5 to 25	1.9 to 6.3	3.9	2.5	290	No	S
Cyanide	2/30	1 to 10	0.44 to 1.4	0.92	ND	160	No	S
Iron	30/30	NA	92.6 to 750	220	2,627.6	NA	No	B
Lead	30/30	NA	0.74 to 27.6	5.9	15.2	[9]400	No	S

See notes at end of table.

Table 4-28 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (mg/kg)–continued								
Magnesium	5/30	1,000 to 5,000	75.2 to 2,890	707	227	NA	Yes	N
Manganese	17/30	3 to 15	1.4 to 112	18.1	7.9	39	Yes	
Nickel	1/30	8 to 40	3.4	3.4	5.4	160	No	S, B
Selenium	2/30	1 to 5	0.33 to 0.45	0.41	NA	39	No	S
Sodium	24/30	1,000 to 5,000	131 to 305.5*	180	342	NA	No	B
Thallium (salts)	7/30	2 to 10	0.24 to 0.615*	0.36	ND	0.7	No	S
Vanadium	18/30	10 to 50	0.54 to 3.5	1.2	15.4	55	No	S, B
Zinc	12/30	4 to 20	1.4 to 20.7	5.5	14	2,300	No	S
Total Recoverable Petroleum Hydrocarbons (mg/kg)								
	18/30	12 to 610	12.4 to 25,000	4,825	ND	NA	Yes	

See notes on next page.

Table 4-28 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001). Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value reflects updated information from the April 20, 1994, USEPA Region III RBC tables.
[8] The value is based on arsenic as a carcinogen.
[9] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for CERCLA and RCRA sites.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: BOR-17-1-1,BOR-17-1-1D, BOR-17-1-2, BOR-17-2-1, BOR-17-2-2, BOR-17-3-1, BOR-173-2, CF17BR4S0, CF17BR4S2, CF17BR5S0, CF17BR5S2, CF17BR6S0, CF17BR6S2, CF17BR7S0, CF17BR7S2, CF17BR8S0, CF17BR8S2, CF17BR9S0, CF17BR9S2, CF17BR10S0, CF17BR10S2, CF17BR11S0, CF17BR11S2, CF17BR12S0, CF17BR12S2, CF17BR13S0, CF17BR13S2, CF17BR14S0, CF17BR14S2, CF17BR14S2D, CF17BR15S0, CF17BR15S0D, CF17BR15S2, and CF17BR15S2D.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
µg/kg = micrograms per kilogram.
ND = not detected in any background sample.
NA = not available.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).
DDE = dichlorodiphenyldichloroethane.
mg/kg = milligrams per kilogram.

Table 4-29
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPCs) Site 17 Subsurface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/kg)				
No detected analytes were retained as HHCPCs.				
Semivolatile Organic Compounds (µg/kg)				
Dibenzofuran	2/30	1,900	NC	1,900
Fluorene	2/30	1,400	NC	1,400
Fluoranthene	2/30	1,285	NC	1,285
Naphthalene	7/30	19,000	3,569	3,569
Pyrene	1/30	31	NC	31
2-Methylnaphthalene	5/30	47,000	6,003	6,003
Pesticides and PCBs (µg/kg)				
No detected analytes were retained as HHCPCs.				
Inorganic Compounds (mg/kg)				
Calcium	30/30	53,000	5,324	5,324
Chromium	20/30	41.2	6.0	6.0
Magnesium	5/30	2,890	1,437	1,437
Manganese	17/30	112	13.6	13.6
Total Recoverable Petroleum Hydrocarbons (mg/kg)				
	18/30	25,000	215,346	25,000

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
µg/kg = microgram per kilogram.
HHCPCs = human health contaminants of concern.
NC = not calculated.
PCBs = polychlorinated biphenyls.
mg/kg = milligram per kilogram.

4.3.1.4 **Surface Water** Selection of HHCPCs for surface water is discussed in Appendix T of this document (Section T.3.1).

4.3.1.5 **Groundwater** For evaluation of groundwater at Site 17, data from 26 monitoring wells were used (CF17MW4 through CF17MW24, CEF-17-1, CEF-17-4, CEF-17-5, and CEF-17-6). One sample, CF17MW24S, was reanalyzed. Results from the first analysis were used in the HHRA. Results from reanalysis have not been validated but are consistent with the original data from the first analysis. One sample, which was uncontaminated, from a deep aquifer (CF17MW28DDP) was not included in the HHRA (see Table 4-30). Wells screened at shallow, intermediate, and deep intervals were all included in the groundwater data set.

Screening background concentrations were obtained from three upgradient wells (CF17MW1, CF17MW21I, and CF17MW22D). The location of the monitoring wells considered in this HHRA are shown in Figure 3-9. The background concentrations detected in these wells are presented in Table 3-5.

A total of 39 analytes were detected in the groundwater at Site 17 (Table 4-31). Of these, 23 chemicals were chosen as HHCPCs: 11 organics (benzene, 1,2-dichloroethene, methylene chloride, trichloroethene, bis(2-ethylhexyl)phthalate, 2,4-dimethylphenol, 2-methylphenol, 4-methylphenol, naphthalene, phenol, and beta-HCH), 11 inorganics (aluminum, arsenic, calcium, chromium, iron, lead, magnesium, manganese, potassium, sodium, and vanadium), and TRPH.

There were two analytes (1,1,1-trichloroethane and beryllium) that were excluded from the risk assessment based on frequency of detection. Following an analysis of these two compounds, it was determined that there was insignificant risk associated with these compounds. Based on these findings, the compounds were eliminated from the risk assessment.

EPCs were determined according to Subsection 4.1.3.3. The maximum detected concentration, 95% UCL, and EPC for the 23 HHCPCs retained after the screening process are provided in Table 4-32.

4.3.2 **Exposure Assessment** At Site 17, potential sources of exposure were surface soil, subsurface soil, and groundwater. Surface soil was not quantitatively evaluated because there are no verifiable toxicity values for the two HHCPCs, calcium and TRPH. There were no exposure scenarios identified for current land use because of the lack of toxicity values for the HHCPCs in soil and because no sediment or surface water data were available. This lack of data for surface water and sediment is considered to be a data gap. The following exposure scenarios were developed for future land use: (1) incidental ingestion, dermal contact, and inhalation of particulates of subsurface soil for an adult excavation worker; and (2) ingestion of water and inhalation of shower vapors from groundwater by an adult resident. Table 4-33 lists the different exposure scenarios that were evaluated in the HHRA for Site 17. Equations for individual exposure scenarios and the parameter values used in these equations are presented in Appendix C (Table C-4 and Table C-10).

Table 4-30
Analysis of Deep Monitoring Well (CF17MW28DDP) at Site 17

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Detected Concentrations ($\mu g/\ell$)	Screening Background Concentration ($\mu g/\ell$)[1]	Risk-Based Concentration ($\mu g/\ell$)[2]
Arsenic	6.0	22.2	[3]0.038
Barium	36.4	127.8	260
Calcium	58,500	35,480	NA
Magnesium	7,620	5,020	NA
Potassium	2,170	3,296	NA
Sodium	9,690	22,786	NA

[1] The background screening value is twice the average of detected concentrations for inorganic analytes in background wells.
[2] USEPA Region III Risk Based Concentration for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern [COC] by Risk-Based Screening, EPA/903/R-93-001) unless otherwise noted. Actual values are taken from the COC Screening Table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[3] The value is based on arsenic as a carcinogen.

Notes: $\mu g/\ell$ = micrograms per liter.
NA = not available.

Table 4-31
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Screening Background Concentration[4]	Risk-Based Concentration[5]	Analyte CPC? (Yes/No)	Reason[8]
Volatile Organic Compounds (μg/ℓ)								
Benzene	4/26	1 to 665	5 to 23*	12.3	ND	[6]0.36	Yes	
1,1-Dichloroethane	2/26	1 to 665	1 to 2*	1.5	ND	81	No	S
1,2-Dichloroethene (total)	2/26	1 to 665	10 to 12	11	ND	5.5	Yes	
Ethylbenzene	4/26	1 to 665	3 to 6.5*	4.9	ND	130	No	S
Methylene chloride	2/26	1 to 5	2 to 24,000*	12,001	ND	4.1	Yes	
1,1,1-Trichloroethane	1/26	1 to 1,010	520	520	ND	130	No	F
Toluene	5/26	1 to 665	4 to 19	11.8	ND	75	No	S
Trichloroethene	3/26	1 to 665	6 to 50	22.5	ND	1.6	Yes	
Xylenes (total)	4/26	1 to 665	14 to 22	19	ND	1,200	No	S
Semivolatile Organic Compounds (μg/ℓ)								
bis(2-Ethylhexyl)phthalate	9/26	10 to 5,000	0.5 to 6	2.2	ND	4.8	Yes	
Di-n-butylphthalate	4/26	10 to 5,000	0.6 to 2	1.3	ND	370	No	S
Diethylphthalate	2/26	10 to 5,000	0.8	0.8	ND	2,900	No	S
2,4-Dimethylphenol	6/26	10 to 5,000	26 to 3,750*	1,274	ND	73	Yes	
2-Methylphenol	6/26	10	11 to 22,000*	5,074	ND	180	Yes	
4-Methyl-2-pentanone	1/26	2 to 1,300	3	3	ND	[7]290	No	S, F
4-Methylphenol	5/26	10 to 100	0.7 to 19,000*	4,504	ND	18	Yes	
Naphthalene	4/26	10 to 410	10 to 385*	107	ND	150	Yes	
Phenol	2/26	10 to 200	5 to 5,550*	2,850	ND	2,200	Yes	
Pesticides and PCBs (μg/ℓ)								
beta-HCH	3/26	0.03 to 1	0.018 to 0.044	0.03	ND	0.037	Yes	
Inorganic Compounds (μg/ℓ)								
Aluminum	26/26	NA	50.7 to 201,000	41,345	14,986	11,000	Yes	
Arsenic	13/26	10	0.89 to 22.3	4.9	22.2	[8]0.038	Yes	
Barium	23/26	200	17.4 to 257*	79.3	127.8	260	No	S

See notes at end of table.

Table 4-31 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations	Mean of Detected Concentrations[2]	Screening Background Concentration[3]	Risk-Based Concentration[4]	Analyte CPC? (Yes/No)	Reason[6]
Inorganic Compounds (µg/ℓ)—continued								
Beryllium	1/26	5	0.64	0.64	ND	0.016	No	F
Calcium	25/26	5,000	981.5* to 73,700	20,175	35,480	NA	Yes	N
Chromium	12/26	10	29.3 to 170	79.5	32.6	[8]18	Yes	
Cobalt	2/26	50	13.1 to 14.2	13.7	ND	[7]660	No	S
Copper	5/26	25	8.5 to 25.3	16.9	ND	140	No	S
Iron	26/26	NA	202 to 14,700	3,808	5,054	NA	Yes	N
Lead	14/26	3 to 5	10.8 to 37.2	23.6	4.4	[10]15	Yes	
Magnesium	25/26	5,000	512 to 8,300	2,454	5,020	NA	Yes	N
Manganese	11/26	15	2.1 to 11,300*	1,073	67.2	18	Yes	
Mercury	9/26	0.2	0.21 to 0.92	0.43	ND	1.1	No	S
Nickel	7/26	40	10.1 to 56.2	27.6	ND	73	No	S
Potassium	26/26	NA	208 to 22,700*	2,315	3,296	NA	Yes	N
Selenium	5/26	5	2.5 to 15	6.2	ND	18	No	S
Sodium	26/26	NA	5,150 to 94,200*	16,391	22,786	NA	Yes	N
Vanadium	11/26	50	35.1* to 169	72.9	ND	26	Yes	
Zinc	4/26	20	19.8 to 177*	62	ND	1,100	No	S
Total Recoverable Petroleum Hydrocarbons (mg/ℓ)								
	11/26	0.05 to 0.5	0.07 to 1.2	0.61	ND	NA	Yes	

See notes on next page.

Table 4-31 (Continued)
Selection of Human Health Contaminants of Potential Concern (CPCs), Site 17 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations	Mean of Detected Concentrations[2]	Screening Background Concentration[3]	Risk-Based Concentration[4]	Analyte CPC? (Yes/No)

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected; it does not include those samples in which the analyte was not detected.
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] U.S. Environmental Protection Agency (USEPA) Region III Risk Based Concentration (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the contaminant of concern (COC) screening table dated March 18, 1994, and are based on a cancer risk of 10^{-6} or a Hazard Quotient of 0.1.
[6] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed USEPA Region III RBC and, therefore, will not be evaluated in the human health risk assessment (HHRA).
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent.
- C = the analyte is a member of a chemical class which contains other contaminants of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent, but will be retained because it was detected in more than one media.
- N = the analyte was detected at a concentration above twice the arithmetic mean of detected concentrations at background locations but is an essential nutrient and professional judgement was used.

[7] The value reflects updated information from the April 20, 1994, USEPA Region III RBC tables.
[8] The value is based on arsenic as a carcinogen.
[9] The value is based on chromium hexavalent form.
[10] Treatment technology action limit for drinking water distribution systems per "National Primary Drinking Water Regulations" 40 CFR 141 as amended in 57 FR 41345, August 3, 1993.

Notes: For consistency and ease of use, all CPC table footnotes are the same, although all footnotes may not be used on all tables.
The average of a sample and its duplicate is used for all table calculations.

Sample locations include: CF17MW1, CF17MW4S, CF17MW5S, CF17MW6S, CF17MW6SD, CF17MW7DP, CF17MW8S, CF17MW9S, CF17MW10DP, CF17MW11I, CF17MW12DP, CF17MW13S, CF17MW14I, CF17MW15DP, CF17MW16S, CF17MW17I, CF17MW18DP, CF17MW19S, CF17MW20I, CF17MW20ID, CF17MW21I, CF17MW22DP, CF17MW23S, and CF17MW24S.

The average of a sample and its duplicate is used for all table calculations.

CPC = contaminant of potential concern.
$\mu g/\ell$ = micrograms per liter.
PCBs = polychlorinated biphenyls.
ND = not detected in any background samples.
HCH = hexachlorocyclohexane (commonly named BHC).
NA = not available.
mg/ℓ = milligram per liter.

Table 4-32
Exposure Point Concentrations for Human Health Contaminants of Potential Concern (CPC), Site 17 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Maximum Detected Concentration[2]	95% UCL[3]	Exposure Point Concentration[4]
Volatile Organic Compounds (µg/ℓ)				
Benzene	4/26	23*	14.6	14.6
1,2-Dichloroethene (total)	2/26	12	NC	12
Methylene chloride	2/26	24,000*	NC	24,000
Trichloroethene	3/26	50	14.4	14.4
Semivolatile Organic Compounds (µg/ℓ)				
bis(2-Ethylhexyl)phthalate	9/26	6	110	6
2,4-Dimethylphenol	6/26	3,750*	953	953
2-Methylphenol	6/26	22,000*	3,828	3,828
4-Methylphenol	5/26	19,000*	692	692
Naphthalene	4/26	385*	21.1	21.1
Phenol	2/26	5,550*	NC	5550
Pesticides and PCBs (µg/ℓ)				
beta-HCH	3/26	0.04	0.03	0.03
Inorganic Compounds (µg/ℓ)				
Aluminum	26/26	201,000	1,121,301	201,000
Arsenic	13/26	22.3	6.2	6.2
Calcium	25/26	73,700	62,944	62,944
Chromium	12/26	170	104	104
Iron	26/26	14,700	9,045	9,045
Lead	14/26	37.2	38.9	38.9
Magnesium	25/26	8,300	3,329	3,328
Manganese	11/26	11,300*	221	221
Potassium	26/26	22,700*	3,229	3,229
Sodium	26/26	94,200*	20,537	20,537
Vanadium	11/26	169	54.6	54.6
Total Recoverable Petroleum Hydrocarbons (mg/ℓ)				
	11/26	1.2	0.72	0.72

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate.
[3] 95 percent upper confidence limit (UCL) calculated on the arithmetic mean of all samples using one-half the contract required quantitation limit or contract required detection limit (CRQL/CRDL) for samples in which the analyte was not detected.
[4] The exposure point concentration is the lesser of the maximum concentration detected onsite or the 95 percent UCL. In cases where the analyte was detected in three or less samples, the maximum detected concentration is used as the exposure point concentration.

Notes: % = percent.
UCL = upper confidence limit.
µg/ℓ = microgram per liter.
NC = not calculated.
PCBs = polychlorinated biphenyls.
HCH = hexachlorocyclohexane (commonly named BHC).
mg/ℓ = milligram per liter.

Table 4-33
Human Health CPC Exposure Routes Evaluated, Site 17

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Exposure Medium Exposure Route	Site Worker	Excavation Worker	Adult Resident	Child Resident	Adult Trespasser	Child Trespasser
Surface Soil[1]						
Incidental ingestion						
Dermal contact						
Inhalation of particulates						
Subsurface Soil						
Incidental ingestion		x				
Dermal contact		x				
Inhalation of particulates		x				
Groundwater						
Ingestion			x			
Inhalation of shower vapors			x			
Surface Water						
Incidental ingestion						
Dermal contact						
Sediment						
Ingestion						
Dermal contact						

[1] Surface soil exposure was not considered quantitatively because there are no verifiable toxicity values for calcium or total recoverable petroleum hydrocarbon (TRPH).

Note: x = exposure evaluated in human health baseline risk assessment.

4.3.2.1 **Surface Soil** No exposure scenarios involving contact with surface soil were evaluated.

4.3.2.2 **Subsurface Soil** There were no exposure scenarios involving current land use and exposure to subsurface soil. For future land use, an adult excavation worker was evaluated. The equations and parameter values used for this scenario are provided in Table C-4 of Appendix C. The issue of contaminants in the subsurface soil leaching to groundwater has not been addressed in this document.

4.3.2.3 **Sediment** The exposure scenarios for sediment are discussed in Appendix T of this document (Section T.3.2).

4.3.2.4 **Surface Water** The exposure scenarios for surface water are discussed in Appendix T of this document.

4.3.2.5 **Groundwater** Currently, groundwater is not being used at Site 17. In the future, it is possible that groundwater could be tapped for domestic use. Exposure to groundwater was evaluated for the future resident only. A future resident could be exposed to contaminants in groundwater through ingestion of groundwater and by inhalation of vapors while showering. Based on USEPA guidance (USEPA, 1993a), an adult resident was the only scenario evaluated. The equations and parameters for groundwater exposure are presented in Appendix C (Table C-10).

4.3.3 Toxicity Assessment Methodology for the toxicity assessment was presented in subsection 4.1.4. Toxicity profiles for the HHCPCs found in subsurface soil and groundwater are compiled in Appendix E. Information on toxicity was used to estimate the cancer risk and the HQ for each of the HHCPCs.

4.3.4 Risk Characterization Quantitative estimates of both carcinogenic and noncarcinogenic risks were calculated for each HHCPC and each exposure scenario selected for evaluation. Subsurface soil and groundwater are discussed in the following sections. A summary of risk estimates for soil and groundwater, both carcinogenic and noncarcinogenic, are provided in Tables 4-34 and 4-35. Summary of risk estimates for sediment and surface water are discussed in Appendix T (Section T.3.4).

4.3.4.1 **Subsurface Soil** Equations used to estimate intakes and the related risks of ingestion, inhalation, and dermal contact are provided in Appendix F (Tables F-27 and F-28). Table 4-34 summarizes the risk associated with exposure to subsurface soil by an excavation worker. The cancer risk associated with exposure to subsurface soil was $3x10^{-10}$ for a future excavation worker. The cancer risks associated with ingestion, inhalation, and dermal absorption of subsurface soil were within the USEPA acceptable cancer risk range (10^{-4} to 10^{-6}).

The HI for exposure to subsurface soil by the excavation worker did not exceed the USEPA guidance value for noncarcinogenic effects (HI=1). The HI for this scenario was 0.0006.

4.3.4.2 **Groundwater** Risk calculation spreadsheets for ingestion and inhalation of contaminants from groundwater are presented in Appendix F (Tables F-29 and F-30). Table 4-35 summarizes the risk associated with groundwater exposure for an adult resident. The cancer risk associated with domestic use of groundwater was $2x10^{-3}$ for a future adult resident. This value was outside the acceptable

Table 4-34
Summary Of Human Health Risks, Site 17 Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Land Use	Media	Receptor	Exposure Route	Cancer Risk	Hazard Index
Future	Subsurface Soil	Excavation worker			
			Incidental ingestion	0	0.0004
			Dermal contact	0	0.00005
			Inhalation of particulates	3×10^{-10}	0.0001
			Total	3×10^{-10}	0.0006

Table 4-35
Summary Of Human Health Risks, Site 17 Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Land Use	Media	Receptor	Exposure Route	Cancer Risk	Hazard Index
Future	Groundwater	Adult resident			
			Incidental ingestion	2×10^{-3}	30
			Inhalation of particulates	2×10^{-4}	0.3
			Total	2×10^{-3}	30

cancer risk range set by USEPA. The major contributors to the cancer risk were methylene chloride ($2x10^{-3}$) and arsenic ($1x10^{-4}$).

The HI for the domestic use of groundwater was 30. This value exceeds the USEPA guidance value for noncarcinogenic contaminants. The major contributors to this HI were benzene (HQ=1), methylene chloride (HQ=11), 2,4-dimethylphenol (HQ=1), 2-methylphenol (HQ=2), 4-methylphenol (HQ=4), aluminum (HQ=6), and manganese (HQ=1).

Benzene, methylene chloride, trichloroethene, and lead were detected at concentrations that exceed Federal or State MCLs.

4.3.4.3 **Use Scenario Risk for Site 17** Total risk for the adult resident at Site 17 was calculated. The other scenarios had exposure to only one media, so total risk was equal to the risk associated with that one media. For the adult resident, the total cancer and noncancer risks associated with sediment and groundwater exposure were $2x10^{-3}$ and 30, respectively.

4.3.5 Uncertainty Analysis Table 4-10 summarizes the general uncertainties associated with the methodology used to determine the risk associated with Site 17. Subsection 4.2.5 describes the uncertainties associated with the Site 5 risk assessment and the uncertainties for Site 17 are similar.

4.3.5.1 **Data Evaluation** Some uncertainty was associated with the representative nature of the data collected to complete the risk evaluation at Site 17. Data were collected to best represent the current conditions at Site 17 in surface soil, subsurface soil, and groundwater. The data collected at Site 17 are believed to be representative of the current media conditions (see Section 3.6).

4.3.5.2 **Exposure Assessment** In developing of exposure scenarios, assumptions used in the scenarios may not be representative of the actual conditions at the site. The majority of assumptions in the exposure scenarios probably overestimate the actual risks at the site.

In determining the EPC, the lesser of either the maximum detected concentration or the 95 percent UCL was used in this risk assessment. This methodology was based on USEPA guidance; however, it probably overestimates the risk.

In assessing the risk of a given population, parameters such as body weight, surface area, and inhalation rates are set at a single value. Populations are not uniform and consist of people of different ages, weights, and body surface areas. Within a given population, individuals may be more susceptible to adverse effects of certain chemicals. Differences in sensitivity to chemicals are due to genetic factors, pregnancy, age, or other factors. It was not known if these factors would underestimate or overestimate the actual risk at the site.

4.3.5.3 **Toxicity Assessment** Uncertainties in the toxicity assessment step of the RA can overestimate or underestimate the actual risk at Site 17. One area of uncertainty was the CSFs and RfDs. These toxicity values are based on conservative assumptions that are not always accepted by the scientific community. USEPA, on the issue of conservative assumptions for RfDs, states "EPA is reasonably confident that the 'true risk' will not exceed the risk estimate derived through the use of this model and is likely to be less than predicted"

(USEPA, 1989a). The actual risks at the site were most likely overestimated due to these conservative assumptions.

Another area of uncertainty are issues surrounding lead. No toxicity values have been developed for this compound. Because there are no toxicity values for lead, the contribution of lead to overall risk cannot be evaluated. In most cases this will underestimate the actual risk at the site in question.

For example, the maximum detected concentration of lead in groundwater was compared to an action level of 15 $\mu g/\ell$ for groundwater (USEPA, 1993a). Site 17 has a maximum detected level of 37.2 $\mu g/\ell$ which exceeds the action of lead in drinking water. Because no toxicity information was available, lead does not contribute to the cancer risk or to the HI. This situation probably underestimates the actual risks associated with groundwater exposure.

The IEUBK model was used to predict the blood lead concentrations for the future residential child scenario (age 1 to 6) at Site 17. For Site 17, the maximum concentrations of lead in groundwater (37.2 $\mu g/\ell$)and soil (16.8 $\mu g/g$) were used as parameter values in the IEUBK model. Model results show predicted blood lead concentrations ranged from 4.6 to 6.0 $\mu g/d\ell$ for the child at various ages. The highest blood lead concentration of 6.0 $\mu g/d\ell$ is under the 10 $\mu g/d\ell$ level.

In the selection of HHCPCs for soil, the maximum detected concentration was compared to a target level for cleanup of lead at Superfund sites of 500 mg/kg (USEPA Office of Solid Waste and Emergency Response (OSWER) Directive, 1989d). At this particular site the maximum detected concentration in soil fell below this cleanup level; therefore, lead was not considered an HHCPC. It is unlikely that the cancer risks and HIs for soil were substantially underestimated due to the omission of lead from the risk assessment.

Risk for all exposure pathways could be underestimated because TRPH was not included in the HHRA. Risk calculations could not performed on TRPH because there is no toxicity information (RfDs or CSFs). However, an analysis of the soil cleanup level of 50 mg/kg was performed (Appendix G). This cleanup level proved to be protective of human health.

In this risk assessment, all chromium is assumed to be hexavalent. However, actual chemical analyses shows that the predominant form of chromium found at OU 2 was the trivalent form. In this situation, risk is overestimated because the RfD for hexavalent chromium is more conservative because it is a carcinogen.

Arsenic CSFs are another source of uncertainty. Two oral CSFs exist for arsenic, an unmodified CSF (1.75 $mg/kg/day^{-1}$) and a modified CSF (0.175 $mg/kg/day^{-1}$). The unmodified CSF provides a more conservative number and was used in this HHRA. The use of this conservative CSF could overestimate the risk.

According to USEPA guidance, unfiltered groundwater concentrations are used to determine the risk associated with ingestion and inhalation of vapors of groundwater. The use of unfiltered data could overestimate the risk, especially for metals, associated with the groundwater exposure scenarios. Unfiltered groundwater samples collected at OU 2 had elevated levels of metals that could be attributed to the turbidity of the samples. The RI report for OU 2 contains a more thorough discussion of turbidity and elevated metal concentrations in groundwater.

As with Site 17, the use of unfiltered groundwater data creates uncertainty in the calculated risk values. Risk calculations were performed on the filtered groundwater data from this site. The total risk for unfiltered groundwater exposure is $2x10^{-3}$ and this value is the same for the filtered data. Methylene chloride is the chemical that drives the risk in both cases. However, with the filtered data, arsenic is no longer a major risk driver. Appendix G contains the CPC table, EPC table, and the risk spreadsheets for assessment of risk using filtered groundwater data.

4.3.5.4 **Risk Characterization** A single media contains a mixture of chemicals that can lead to uncertainties. Guidelines from USEPA state that if sufficient data are not available on the effects of chemical mixtures of concern, or a similar mixture, the effects of different chemicals are considered additive (USEPA, 1986b). According to the USEPA, this guidance will yield a risk that was neither conservative nor liberal. In more recent USEPA (1989a) guidance, additivity of the effects of different chemicals could be overestimating or underestimating the actual risk.

Additional uncertainty lies in the fact that sediment and surface water were not analyzed for this HHRA. Because these media were not included and there is potential migration to these media, the risk associated with Site 17 is probably underestimated.

Because the leaching of contaminants from subsurface soil to groundwater was not considered, the actual risk could be underestimated. Subsurface soil may be a continuing source of contamination for groundwater.

4.3.6 **Summary and Remedial Goal Options** The estimated risks associated with exposure to subsurface soil were all within the USEPA acceptable cancer risk range and the USEPA guidance value for noncarcinogenic effects. However, the risk associated with groundwater exposure exceeded both the cancer and noncancer guidance values. Based on this information, RGOs were calculated for the groundwater.

RGOs were calculated for media with an incremental lifetime cancer risk greater than 1 in 10,000 or with a total HI greater than 1 (see Section 4.1.5). For all the media that fall into this category, individual chemicals within the media with an estimated cancer risk greater than 10^{-6} and an HQ greater than 0.1 were evaluated in the RGOs. The RGOs for groundwater at Site 17 are presented in Table 4-36.

Table 4-36
Remedial Goal Options, Site 17 Unfiltered Groundwater

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Chemical	Range of Detected Concentrations	Total Lifetime Cancer Risk			Total Hazard Index			Florida Guidance Concentration[1] (µg/ℓ)	Federal MCL[2]
		$1x10^{-4}$	$1x10^{-5}$	$1x10^{-6}$	10	1	0.1		
Volatile Organic Compounds (µg/ℓ)									
Benzene	5 to 23	204	20.4	2.04	110	11	1.1	1	5
Methylene chloride	2 to 24,000	1,050	105	10.5	21,200	2,120	212	5	5
Trichloroethene	11.5 to 50	641	64.1	6.41				3	5
Semivolatile Organic Compounds (µg/ℓ)									
2,4-Dimethylphenol	465 to 3,750				7,300	730	73	400	ND
2-Methylphenol	660 to 22,000				17,900	1,790	179	350	ND
4-Methylphenol	0.7 to 19,000				1,810	181	18.1	35	ND
Phenol	5 to 5,550				222,000	22,200	2,220	10	ND
Inorganic Compounds (µg/ℓ)									
Aluminum	50.7 to 201,000				360,000	36,000	3,600	200	[3]200
Arsenic	1.85 to 22.3	4.86	0.486	0.0486	110	11.0	1.10	50	50
Manganese	20.6 to 5,655.65				1,838	183.8	18.38	50	[3]50
Vanadium	19.77 to 169				2,600	260	26	49	ND

[1] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994).
[2] USEPA, 1994a. "Drinking Water Regulations and Health Advisories," Office of Water, May 1994.
[3] Secondary maximum contaminant level (MCL).

Notes: Potential future land use: residential
Medium: groundwater
Exposure routes: ingestion of groundwater as drinking water and inhalation of volatiles while showering

MCL = maximum contaminant level.
µg/ℓ = micrograms per liter.
ND = no data.
-- = not available.

5.0 ECOLOGICAL RESOURCES

Ecological resources at OU 2 were characterized based on the results of several field investigations and a limited literature review. Wetland and upland terrestrial wildlife habitats and receptors are described in Section 5.1 based on the results of a habitat evaluation field program completed in 1994. The limited aquatic habitats at the OU 2 sites are described in Section 5.2. Rare, endangered, and threatened species that may be present at NAS Cecil Field and OU 2 are described in Section 5.3.

Surface soil and sediment toxicity testing was also completed at the OU 2 sites. Toxicity testing activities are described in Chapter 6.0.

5.1 HABITAT CHARACTERIZATION. A wetlands assessment and mapping of upland vegetative communities was completed for Sites 5 and 17 (CDM, 1994). The wetlands identified to the east of Sites 5 and 17 were delineated according to current State of Florida (Florida Legislature, 1990) and Federal guidelines (Environmental Laboratory, 1987a). Based on a review of regulations and discussions with the FDEP representatives, it was determined that the U.S. Army Corps of Engineers wetland delineation technique would satisfy the State of Florida guidelines. Wetland communities are described according to U.S. Fish and Wildlife Service (USFWS) (Cowardin and others, 1979) and Florida Natural Areas Inventory (FNAI) classification systems (FNAI, 1990).

Table 5-1 presents the USFWS and corresponding FNAI wetland classifications for NAS Cecil Field, a brief description of the wetland characteristics, and a summary list of representative vegetation in each wetland cover type. A description of typical upland plant communities at NAS Cecil Field is presented in Table 5-2.

The FNAI wetland classification system describes undisturbed vegetative communities. Wetland and upland habitats at Sites 5 and 17 have been significantly altered in the past due to a variety of anthropogenic disturbances; therefore, the FNAI classification system may not provide comprehensive descriptions of all study area cover types.

Appendix H includes a list of characteristic plant species observed at Sites 5 and 17. Wetlands were also evaluated for their value and ability to perform certain wetland functions (CDM, 1994). The functional assessment was completed using a computer model called the Wetland Evaluation Technique (WET) (Adamus and others, 1987). The results of the functional assessment were used to identify and evaluate remedial alternatives for OU 2. The results of the WET analyses are presented in the NAS Cecil Field Wetlands Assessment Report (CDM, 1994).

5.1.1 Site 5 Vegetative Cover Types Terrestrial parts of Site 5 include scrubby flatwoods, planted pine (mesic flatwoods), and disturbed upland regions (Figure 5-1). A palustrine freshwater wetland system associated with Lake Fretwell is located immediately to the east of Site 5, and a drainage ditch is located immediately to the south of Site 5. This drainage ditch carries surface water in an easterly direction, through the palustrine forested wetland, towards Lake Fretwell. As discussed in the OU 2 RI report, Lake Fretwell is not being investigated as part of the OU 2 RI/FS, but will be evaluated in a future study.

Table 5-1
Wetland Classification System Characteristics

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

USFWS Classification[1]	Corresponding FNAI Classification[2]	Description	Representative Vegetation (common name)
Palustrine Forested Broad-Leaved Deciduous	Floodplain Swamp	Occurs on flooded soil along stream channels.	Red maple, laurel oak, water ash, and bald cypress.
Palustrine Forested Broad-Leaved Deciduous	Bottomland Forest	Closed canopy forest occurring on low-lying flatlands that border streams with distinct banks.	Red maple, sweetgum, slash pine, loblolly pine, sweetbay, cinnamon fern, and wax myrtle.
Palustrine Scrub/Shrub Broad-Leaved Deciduous	Wet Flatwoods	Relatively open canopy; flat, poorly drained terrain.	Loblolly pine, slash pine, longleaf pine, sweetbay, sedges, wax myrtle, and gallberry.
Palustrine Scrub/Shrub Broad-Leaved Deciduous	Seepage Slope	Usually saturated but rarely inundated.	Loblolly pine, slash pine, long-leaf pine, titi, wax myrtle, and gallberry.
Palustrine Emergent Persistent	Floodplain Marsh	Usually flooded with flowing water.	Arrowheads, bog buttons, rushes, sedges, dotted smartweed, black willow, sweetbay, royal fern, hat pins, and cattail.

[1] Cowardin and others, 1979.
[2] Florida Natural Areas Inventory (FNAI), 1990.

Source: Camp, Dresser, and McKee, 1994.

Note: USFWS = U.S. Fish and Wildlife Service.

Table 5-2
Description of Upland Habitats

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Classification	Description	Representative Vegetation (common name)
Mesic Flatwood	Open canopy forest of widely spaced pine trees and a dense ground cover of herbs and shrubs; relatively flat; moderately to poorly drained terrain.	Slash pine, longleaf pine, loblolly pine, red maple, sweetgum, sand blackberry, blackberry, muscadine grape, saw palmetto, bog buttons, and gallberry.
Scrubby Flatwood	Open canopy of widely scattered pine trees, with a sparse shrub understory; relatively flat, areas of open sand, with some characteristics of Mesic Flatwood.	Slash pine, longleaf pine, loblolly pine, muscadine grape, saw palmetto, wax myrtle, blackberry, goldenrod.
Disturbed Areas	Open, dry areas dominated by forbes, many of which are colonizing areas disturbed by investigative activities.	Water oak, myrtle oak, and sweetgum.

Source: Camp, Dresser, and McKee, 1994.

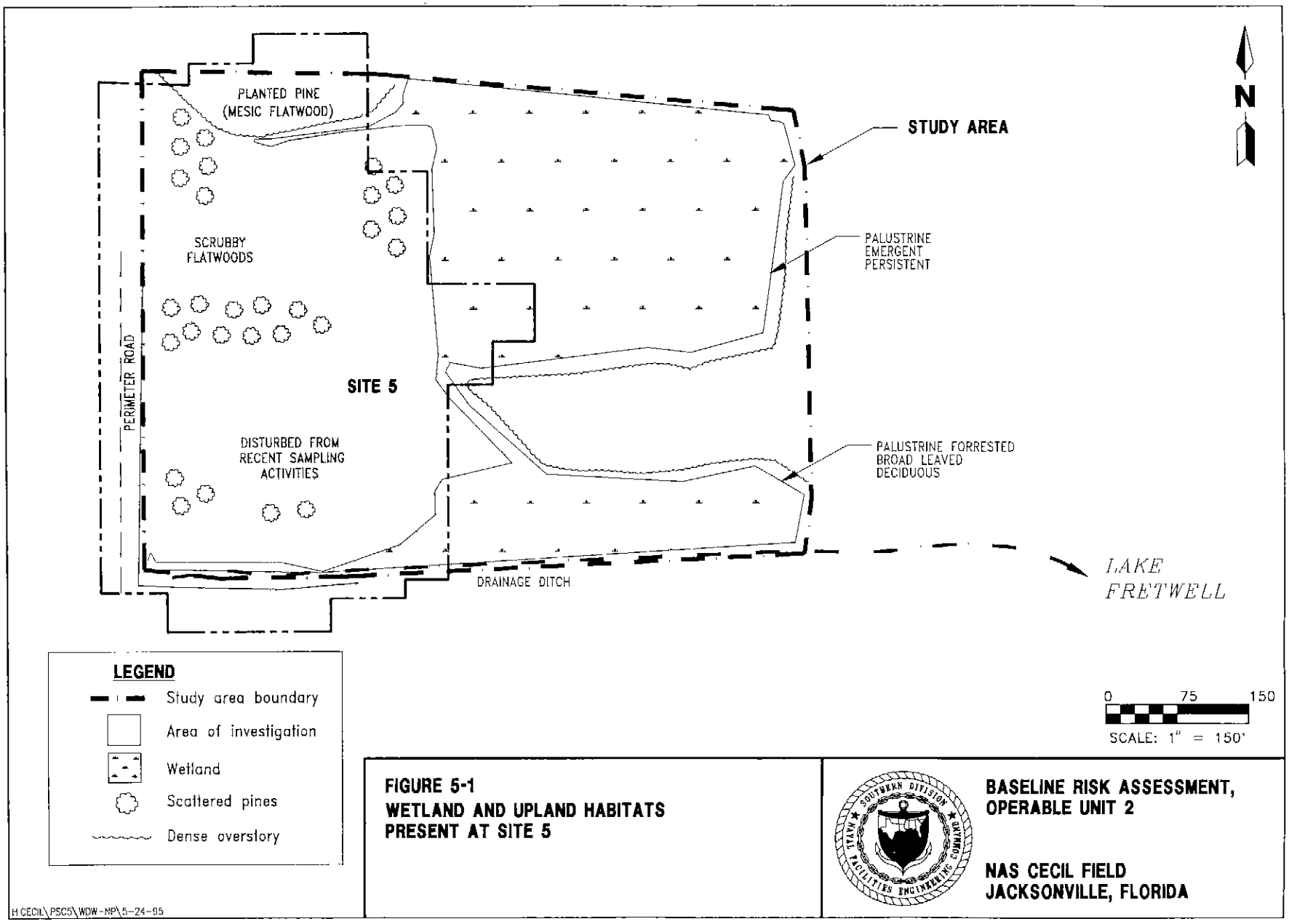

FIGURE 5-1
WETLAND AND UPLAND HABITATS PRESENT AT SITE 5

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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To the north and west of Site 5 is an upland community consisting of a planted pine forest with characteristics of the FNAI Mesic Flatwood classification. Typical vegetation identified in this area include slash pine (*Pinus elliotti*), longleaf pine (*Pinus palustris*), loblolly pine (*Pinus taeda*), red maple (*Acer rubrum*), sweetgum (*Liquidambar styraciflua*), sand blackberry (*Rubus cuneifoluis*), brambles (*Rubus* spp.), and muscadine grape (*Vitis rotundifolia*).

Uplands at Site 5 are dominated by various pine species, including longleaf pine, slash pine, and loblolly pine. Occasional water oak (*Quercus nigra*) and red maple (*Acer rubrum*) are found in the southern and eastern parts of the site. The shrubby understory at Site 5 varies from sparse to dense, and includes shrubs such as saw palmetto (*Serenoa repens*), wax myrtle (*Myrica cerifera*), Carolina cherry (*Prunus caroliniana*), and fetterbush (*Lyonia* sp.). Dense vines cover much of the shrub layer; plants in this layer include catbriar (*Smilax bona-nox*), muscadine grape (*Vitis rotundifolia*), bramble (*Rubus* sp.), and Virginia creeper (*Parthenocissus virginiana*). Open areas in the drier parts of the site are dominated by forbes, many of which are colonizing areas disturbed by investigative activities at the site. Herbaceous vegetation observed at Site 5 includes bracken fern (*Pteridium aquilinum*), cinnamon fern (*Osmunda cinnamomea*), sand blackberry (*Rubus cuneifoluis*), dog fennel (*Eupatorium capitatum*), St. Johnswort (*Hypericum* sp.), fleabane (*Erigeron* sp.), evening primrose (*Oenothera* sp.), broom sedge (*Andropogon virginiana*), rush (*Juncus marginatus*), and grasses, including a *Paspalum* species.

The wetland identified at Site 5 falls under two USFWS classes: palustrine forested broad-leaved deciduous and palustrine emergent persistent (Cowardin and others, 1979). A summary of the Site 5 wetland classes and indicator species is presented in Table 5-3. The palustrine forested wetland to the east of the site

Table 5-3
Wetland Classes of the Site 5 Study Area[1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Wetland Class	Indicator Species (common name)	Approximate Acreage
Palustrine Forested Broad-Leaved Deciduous	Water ash, red maple, and bald cypress, alder, sweet bay, and cinnamon fern.	[2] 1.3
Palustrine Emergent Persistent	Arrowheads, rushes, sedges, water lily, and black willow.	1.8

Source: Camp, Dresser, and McKee, 1994.

[1] Wetland classes indicated on Figure 5-1.
[2] Acreage represents approximate site acreage with environmental sampling. Adjacent wetland acreage is considerably more extensive.

is associated with the Rowell Creek and Lake Fretwell floodplain. This area is classified as palustrine forested broad-leaved deciduous (Cowardin and others, 1979) or floodplain swamp (FNAI, 1990). This section of Site 5 is prone to intermittent flooding by Rowell Creek. The dominant tree in this region is red maple, with occasional sweet bay (*Magnolia virginiana*) and bald cypress (*Taxodium*

distichum). The shrub understory is open and includes alder (*Alnus serrulata*), titi (*Cyrilla racemiflora*), wax myrtle, gallberry (*Ilex glabra*), fetterbush, and swamp bay (*Persea palustris*). Herbaceous species noted in this region include cinnamon fern, royal fern (*Osmunda regalis*), netted chain fern (*Woodwardia areolata*), and poison ivy (*Toxicodendron radicans*).

A small region of persistent, palustrine, emergent vegetation occurs between upland parts of Site 5 and the Rowell Creek and Lake Fretwell floodplain swamp. This community is located in the northeastern region of the study area. This open region includes royal fern, fragrant water lily (*Nymphea odorata*), bog buttons (*Lachnocaulon anceps*), spatterdock (*Nuphar luteum*), and St. Johnswort (*Hypericum brachyphyllum*). This open area is surrounded by the Site 5 uplands to the west, forested floodplain to the east and north, and the Site 5 drainage ditch to the south.

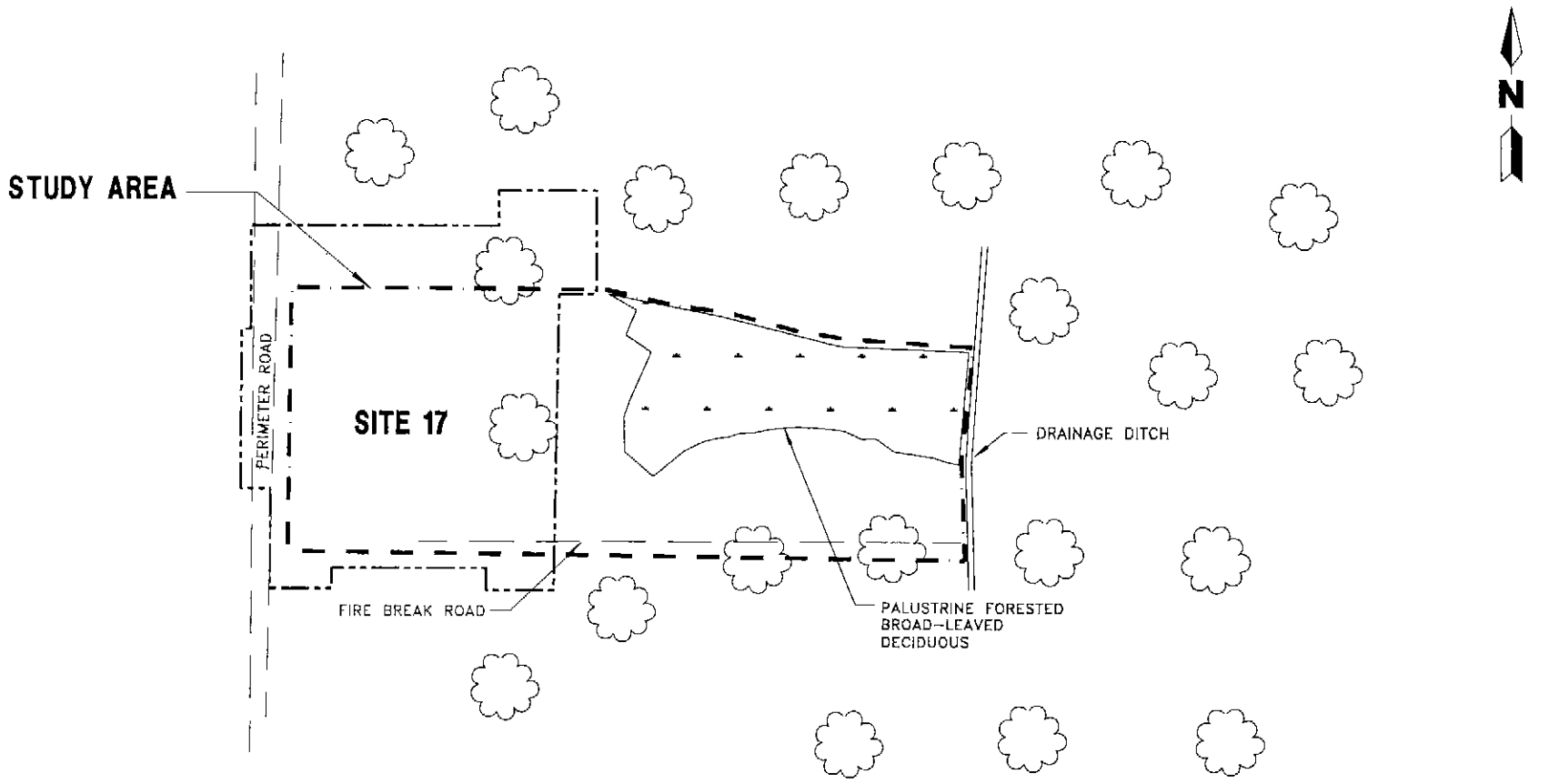
The drainage ditch leading from Site 5 to Lake Fretwell is characterized by flooded soil along parts of the drainage ditch channel. The approximately 12- to 15-foot-wide drainage ditch is relatively linear, with sloping banks with 2:1 to 3:1 slopes. Parts of the drainage ditch channel are dominated by lizard's tail (*Saururus cernuus*), rushes (*Juncus* sp.), and sedges (*Carex* sp.). The banks of the drainage ditch are densely vegetated with shrubby cover, including alder, elderberry (*Sambucus canadensis*), false willow (*Itea virginica*), wax myrtle, and black willow (*Salix nigra*).

5.1.2 Site 17 Vegetative Cover Types The western part of Site 17 is upland, with palustrine, forested, broad-leaved deciduous wetland occurring to the east of the site. The wetland at this site drains toward the east, toward Rowell Creek.

The vegetative community covering Site 17 (the former disposal area) consists of upland plant communities. A grass-covered area with scattered young slash pine trees and a dense shrub and herb layer covers this region. Woody vegetation in the Site 17 uplands includes slash pine, loblolly pine, myrtle oak, red maple, muscadine grape, bay, and blackberry. This plant community is disturbed and does not fall within any FNAI natural community type. Herbaceous species observed in the disturbed Site 17 uplands include plantain, Virginia creeper, rushes, and dog fennel.

Bordering Site 17 is a planted pine forest. Although this is a disturbed area with drainage ditches and fire roads, characteristics of the mesic flatwood FNAI classification are evident. The area is relatively flat with poorly drained soil. Vegetation includes longleaf pine, slash pine, loblolly pine, saw palmetto, bog buttons, and gallberry.

The wetland identified to the east of Site 17 is shown on Figure 5-2 and falls within two USFWS cover classes (Cowardin and others, 1979) (palustrine forested broad-leaved deciduous and palustrine emergent persistent). A summary of the wetland classes and indicator species at Site 17 is presented in Table 5-4. The palustrine forested area best corresponds to the FNAI hydric hammock wetland class. This forested area includes a well-developed hardwood community, with a dense shrubby and herbaceous understory. Dominant woody vegetation in this region includes red maple, swamp bay, sweet bay, sweet gum, gallberry, and wax myrtle. Herbaceous and lianoid species noted in this wetland region include sphagnum moss, royal fern, colic root (*Aletris aurea*), cinnamon fern, yellow jessamine (*Gelsemium sempervirens*), poison ivy, green briar, and Virginia creeper.



LEGEND

- Study area boundary
- Area of investigation
- Wetland
- Scattered pines

FIGURE 5-2
WETLAND AND UPLAND HABITATS PRESENT AT SITE 17

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

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Table 5-4
Wetland Classes of the Site 17 Study Area[1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Wetland Class	Indicator Species (common name)	Approximate Acreage
Palustrine Forested Broad-Leaved Deciduous	Sweetgum, swampbay, red maple, red bay, slash pine, and cinnamon fern.	[2] 1.1

Source: Camp, Dresser, and McKee, 1994.

[1] Wetland classes indicated on Figure 3-2.
[2] Acreage represents approximate site acreage with environmental sampling. Adjacent wetland acreage is considerably more extensive.

Several stands of hooded pitcher plant (*Sarracenia minor*) and a species of grass pink (*Calopogon tuberosus*) were observed in the wetland to the east of Site 17. These species are both designated as threatened species according to the Florida Game and Freshwater Fish Commission (1993).

5.1.3 Wildlife Habitat Characterization. Sites 5 and 17 are located approximately 3,000 feet from one another, adjacent to the western floodplain of Rowell Creek. The plant communities at the two sites are similar, with disturbed upland cover types located in westerly parts of the sites and palustrine wetlands located to the east of the sites. The drainage ditch from Site 5 provides a direct surface water conduit to Lake Fretwell, located approximately 1,000 feet to the east of Site 5.

Uplands. It is likely that the invertebrate biomass at the uplands at both OU 2 sites serves as a forage base for a limited number of wildlife species, including amphibians, reptiles, birds, and mammals. Upland habitats likely support several reptile and amphibian species, including 20 to 30 species of reptiles and amphibians (Ashton and Ashton, 1988; 1989; 1991). Species of mole salamander (*Ambystoma* spp.) spend at least part of the year in pine woodlands, and a number of other salamanders, frogs (including members of the genera *Hyla*, *Rana*, and *Pseudacris*), and toads (*Bufo* spp.) may also occur in this habitat. Several lizard species and colubrid snakes may also be found in disturbed pine forest communities (Ashton and Ashton, 1988).

Several small mammal trails were observed in the interior and around the perimeter of Site 5 uplands. Some of these trails may be the work of the eastern cottontail rabbit (*Sylvilagus floridanus*). Other mammals that may occur in this habitat include the hispid cotton rat (*Sigmodon hispidus*) and cotton mouse (*Peromyscus gossypinus*), as well as the armadillo (*Dasypus novemcinctus*). Predatory mammals such as the red fox (*Vulpes vulpes*) and gray fox (*Urocyon cinereoargenteus*) may feed on small mammals at these sites, and white-tailed deer (*Odocoileus virginianus*) may forage in these areas.

Depending upon the vegetative association, southeastern pine forests provide habitat for a diverse array of avifauna, including insectivorous gleaners of pine needles and bark, flycatchers, a seed-eating assemblage, and nocturnal and diurnal aerial predators (Wolfe and others, 1988). Birds of prey such as the black

vulture (*Coragyps atratus*), turkey vulture (*Cathartes aura*), red-tailed hawk (*Buteo jamaicensis*), and red-shouldered hawk (*B. lineatus*) search for prey items in the more open regions, and granivorous birds such as the mourning dove (*Zenaida macroura*) and northern bob-white (*Colinus virginianus*) are likely to occur in the upland communities at Sites 5 and 17.

Birds observed at the two sites include brown thrasher (*Toxostoma rufum*), bobwhite quail, mockingbird (*Mimus polyglottus*), common grackle (*Quiscalus quiscula*), fish crow (*Corvus ossifragus*), killdeer (*Charadrius voviferus*), northern cardinal (*Cardinalis cardinalis*), blue jay (*Cyanocitta cristata*), mourning dove, rufous-sided towhee (*Pipilo erythrophthalmus*), common flicker (*Colaptes auratus*), red-bellied woodpecker (*Centurus carolinus*), pine warbler (*Dendroica pinus*), ruby-crowned kinglet (*Regulus calendula*), solitary vireo (*Vireo solitarius*), and black and white warbler (*Mniotilta varia*).

Wetlands. The Rowell Creek floodplain and its associated wetlands are expected to provide suitable habitat for a diverse assemblage of wildlife species. A rich diversity of invertebrates inhabits the floor and arboreal canopy of floodplain forests in the region. These invertebrates are consumed by a number of amphibian, reptile, bird, and mammal species, which in turn provide food for many secondary and tertiary consumers.

Signs of raccoon (*Procyon lotor*) and white-tailed deer were encountered in the floodplain swamp, which likely provides habitat for a number of insectivorous, herbivorous, and carnivorous mammals, as well as a diverse assemblage of reptiles and amphibians. Reptiles typically occurring in such floodplains included the water moccasin (*Agkistrodon piscivorous*), as well as several snake and turtle species. Amphibian species likely occurring in such areas include oak toads (*Bufo quercicus*) and southern leopard frog (*Rana sphenocephala*). Various species of mole salamander (*Ambystoma* spp.), treefrog (*Hyla* spp.), and grass frog (*Pseudacris* spp.) may also occur in wetland habitats at either site.

Birds commonly observed at palustrine forests include swamp sparrow (*Melospiza georgiana*), Carolina wren (*Thryothorus ludovicianus*), northern cardinal, and common yellowthroat (*Geothlypis trichas*). Open water regions in the floodplain may provide habitat for mallards (*Anas platyrhynchos*), wood ducks (*Aix sponsa*), and a number of wading birds including great blue herons (*Ardea herodias*). Beaver, raccoon, otter (*Lutra canadensis*), and opossum (*Didelphis virginiana*) are also known to occur in forested wetlands at NAS Cecil Field. The short-tailed shrew (*Blarina brevicauda*), an insectivorous small mammal, is known to occur in wetland forests in Florida (O'Neil and Mettee, 1982).

Lists of characteristic amphibian, reptile, bird, and mammal species that may occur at the OU 2 sites are included in Appendix H.

5.2 AQUATIC HABITATS AND RECEPTORS. Aquatic habitats at the Site 5 drainage ditch were characterized as part of a semi-quantitative macroinvertebrate survey completed in June and July 1993 (EA, 1994). The 1993 sampling event also included sampling of aquatic macroinvertebrate communities at locations in Rowell Creek and Lake Fretwell. Four macroinvertebrate sampling stations were located in the drainage ditch running from Site 5 to Lake Fretwell. These stations were sampled to identify macroinvertebrate receptors in the drainage ditch and to characterize the status of macroinvertebrate populations at and in the vicinity of Site 5.

Because no aquatic habitat is located on Site 17, no aquatic sampling was done at this site.

The 1993 aquatic sampling effort focused on collection of information regarding the status of macroinvertebrate community structure and function in the Site 5 drainage ditch. Data were evaluated in conjunction with the results of chemical analyses of surface water and sediment, as well as the laboratory toxicity testing of sediment from the Site 5 drainage ditch. This sampling design provides for a "weight-of-evidence" evaluation of ecological risks associated with any contamination emanating from Site 5.

Three macroinvertebrate sampling stations were located in the drainage ditch adjacent to and downstream of Site 5 (Stations 5-BIO-2, 5-BIO-3, and 5-BIO-4); one station (5-BIO-5) was located upstream and to the east of Site 5. Station 5-BIO-5 was selected as a reference station to evaluate upgradient conditions unimpacted by potential Site 5 hazardous waste influence.

The aquatic sampling stations are identical to those selected for chemical sampling of surface water and sediment and the collection of sediment samples for toxicity testing. Table 5-5 provides a cross reference for the aquatic sampling program completed to support the, ecological risk assessment (ERA) for Site 5.

5.2.1 Sampling and Data Analysis Methods Macroinvertebrate sampling was completed at NAS Cecil Field during June 21-29, 1993. Sampling was completed during a low flow period, which is considered to be a period of high stress (FDEP, 1992). A detailed discussion of the field and laboratory methodology for collection and analyses of the macroinvertebrate data is provided in Appendix I.

Sampling completed at the Site 5 drainage ditch stations included:

- collection of parameters describing aquatic habitat,
- collection of macroinvertebrates by use of dip net sweeps,
- collection of macroinvertebrates by use of Hester-Dendy artificial substrates, and
- collection of macroinvertebrates by use of three replicate petite ponar dredge samples

Shallow water conditions resulted in the Hester-Dendy artificial substrates at three of the four Site 5 drainage ditch sampling stations being exposed to air for a substantial part of the incubation period; consequently, data from the Hester-Dendy artificial substrates were not considered in this ERA. Chironomid midge larvae dominated the only Hester-Dendy substrate (5-BIO-2), which remained submerged throughout the incubation period.

The sampling and analyses of the Site 5 drainage ditch benthic communities and aquatic habitat assessment generally follows USEPA Rapid Bioassessment Protocols (RBP), a cumulative metric technique developed by USEPA (1989e), modified by Barbour and others (1992) and further adapted by FDEP (EA, 1992). This process involves the use of a series of metrics or community attributes, each of which is designed to evaluate a component of benthic community structure or function.

Table 5-5
Aquatic Sampling
for Ecological Risk Assessment at Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Sampling Location	Sampling Date (1993)	Sample Type				
		SW	SD	BIO	TOX	Comment
5-SW1/5-SD1	June	X				Drainage ditch south of Site 5
5-SD-1[1]	August		X		X	Drainage ditch south of Site 5
5-SW2/5-SD2	June	X	X	X	X	Drainage ditch south of Site 5
5-SW3/5-SD3	June	X	X	X	X	Drainage ditch south of Site 5
5-SW4/5-SD4	June	X	X	X	X	Drainage ditch south of Site 5
5-SW5/5-SD5	June	X				Upstream of Site 5 drainage ditch (used as a reference).
5SD5[1]	August		X	X	X	Upstream of Site 5 drainage ditch (used as a reference).
5-SW6/5-SD6	June	X				Wetland directly east of Site 5
5SD6[1]	August		X			Wetland directly east of Site 5
5-SW7/5-SD7	June	X				Wetland directly east of Site 5
5-SD-7[1]	August		X			Wetland directly east of Site 5

[1] This sediment location was resampled for all Contract Laboratory Program (CLP) and toxicity analyses because some hold times were missed in the June 1993 samples. The August 1993 samples were considered in this Environmental Risk Assessment (ERA).

Notes: Sampling locations indicated on Figure 3-5.

Sample labeling identification scheme: first character = site
second and third character = sample type
fourth character = location number

SW = surface water sample collected for Target Analyte List (TAL) and Target Compound List (TCL) analyses.
SD = sediment sample collected for TAL and TCL analyses.
BIO = benthic macroinvertebrate sampling.
TOX = sediment sample collected for toxicity testing. See Chapter 6.0.

5.2.2 Physical Substrate and Chemical Parameters A summary of the physical and chemical characterization scores for each station sampled is included in Appendix I. Most stations had fairly similar characteristics. All stations were located in forested areas with relatively poor aquatic habitat quality.

The surface water quality measurements for total hardness, nitrate plus nitrite, total nitrogen, and total phosphorus are summarized in Table 5-6. Water depth was 0.5 meter or less at all stations, and no flow or stream velocity was observed. Water temperatures ranged from 23.6 to 26.1 degrees Celsius (°C) and pH ranged from 5.6 to 6.9. The dissolved oxygen (DO) values were all less than the Florida Water Quality Standard of ≥5 mg/ℓ (Florida Legislature, 1993c), ranging from a low value of 0.4 mg/ℓ to a high of 3.4 mg/ℓ. The lowest DO concentrations were found at 5-BIO-4 and 5-BIO-5 (the upgradient reference station). Conductivity was highest at 5-BIO-4 (177 micromhos per centimeter [μmhos/cm]) and was lowest at the upstream, reference location (91 μmhos/cm). All measurements of conductivity fall within the normal range according to State of Florida Surface Water Quality Standards (Florida Legislature, 1993).

Water clarity was clear at all stations evaluated and no aquatic vegetation was observed at any station except 5-BIO-2, with 10 percent aquatic vegetation. Leaf pack was a major component of the substrate at all sampling stations in the Site 5 drainage ditch, ranging from 50 to 80 percent. Station 5-BIO-2 also contained slightly more mud, muck, or silt than other evaluated stations. Periphyton were rarely found at any of the Site 5 drainage ditch stations.

5.2.3 Aquatic Habitat Assessment Results Aquatic habitat quality scores were calculated for each of the sampling stations based on data collected during the field survey. The results of the habitat quality scoring, including the State of Florida regional reference, Five Mile Creek, are summarized in Table 5-7.

Habitat quality at all Site 5 drainage ditch stations is generally poor, due primarily to the lack of flow in the channel, poor bottom substrate, and lack of aquatic macrophytic vegetation. The one upgradient reference station, 5-BIO-5, scored 28 in the habitat assessment scoring presented in Table 5-8. Although this is less than half of the regional reference station (Five Mile Creek, total score = 72), the reference station habitat quality is comparable to the downstream Site 5 drainage ditch stations (5-BIO-2, 5-BIO-3, and 5-BIO-4), which had habitat quality scores ranging from 28 to 37.

5.2.4 Benthic Macroinvertebrate Community A taxonomic list of the benthic macroinvertebrates collected is presented in Appendix I. Identified taxa were collected from the drainage ditch stations using a combination of dip net and Ponar samplers.

Metrics are measurements of various components of the structure and function of the benthic macroinvertebrate community. Independently, they provide information on the status of the part of the community they represent. Together, the metrics contribute to an integrated assessment of the biological condition of the community. Thirteen metrics were used as measurements of the benthic macroinvertebrate community structure and function for Site 5. These metrics are described in Table 5-8; selected metrics for Site 5 are presented in Table 5-9. The calculated metric values for the two separate sample types (i.e., dip net and ponar dredges) for each of the stations are presented in Appendix I. A discussion of the metric values calculated for Site 5 is included in the following subsections.

Table 5-6
Summary of Site 5 Surface Water Quality Measurements

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Station	Depth (m)[1]	Temperature (°C)[1]	pH[1]	DO (mg/ℓ)[1]	Conductivity (μmhos/cm)[1]	Secchi (m)[1]	Total Hardness (mg/ℓ as $CaCO_3$)[2]	Total Kjeldahl Nitrogen (mg/ℓ)[2]	Nitrate plus Nitrite (mg/ℓ)[2]	Total Nitrogen (mg/ℓ)[2]	Total Phosphorus (mg/ℓ)[2]
5-SW1[3]	NA	NA	NA	NA	NA	NA	19.2	1.69	0.04	1.73	0.16
5-BIO-2/5-SW2	0.3	26.1	5.6	3.4	99	0.30	17.8	1.86	0.69	2.55	0.17
5-BIO-3/5-SW3	0.2	24.5	6.8	1.0	120	0.20	9.8	1.25	0.03	1.28	0.12
5-BIO-4/5-SW4	0.2	23.6	6.9	0.4	177	0.20	25.8	1.56	ND	1 56	0.23
5-BIO-5/5-SW5	0.5	24.1	6.0	0.8	91	0.50	8.5	0.88	0.02	0.90	0.08
5-SW6[3]	NA	NA	NA	NA	NA	NA	45.2	1.67	0.14	1.81	0.07
5-SW7[3]	NA	NA	NA	NA	NA	NA	61.2	2.87	0.33	3.12	0.09
Five Mile Creek[4]	1	23	4.4	5.8	62	0.3	NA	NA	NA	NA	NA

[1] From Appendix I. Measured in the field by EA Engineering, Science, and Technology, Inc.
[2] From Appendix A. Measured in the laboratory.
[3] Although no macroinvertebrate data were collected at these wetland stations, water quality parameters are included in this table for regional perspective.
[4] Five Mile Creek is the Florida regional reference station considered in this study.

Notes: m = meter.
°C = degrees Celsius.
DO = dissolved oxygen.
mg/ℓ = milligrams per liter.
μmhos/cm = micromhos per centimeter (a measure of electrical conductivity, equal to μohm -1).
$CaCO_3$ = calcium carbonate.
NA = not available.
ND = no data.

Table 5-7
Habitat Assessment Scores[1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Station	Bottom Substrate	Water Velocity	Artificial Channel	Bank Stability	Riparian Zone Vegetation	Flow Adjustment	Total Score	Percent Comparison to Five Mile Creek
5-BIO-2	5	0	12	8	5	-	30	41.7
5-BIO-3	7	0	12	5	4	-	28	38.9
5-BIO-4	15	2	12	3	5	-	37	51.4
5-BIO-5	5	0	12	8	3	-	28	38.9
Five Mile Creek[2]	24	8	15	10	10	5	72	100

[1] Methods for sampling and habitat scoring procedures are reported in Appendix I.
[2] Five Mile Creek is the Florida regional reference station considered in this study.

Table 5-8
Benthic Macroinvertebrate Community Metrics

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Metric	Description
Total taxa (number of invertebrate taxa)	Defines species richness. Richness generally increases with increasing water quality, habitat diversity, and/or habitat suitability (U.S. Environmental Protection Agency [USEPA], 1990).
Number of individuals per square meter	Classifies invertebrate density (USEPA, 1990). Lower benthic abundance per unit area (density) is presumed to correlate with impairment, whereas higher abundance is presumed to relate to a healthier community.
Dominant taxon	Measures redundancy. A high level of redundancy (i.e., dominance of the fauna by a single taxon) is equated with the dominance of a pollution tolerant organism and a lowered diversity (Plafkin and others, 1989).
Percent dominant taxon	Calculated as the ratio of the taxonomic group with the most individuals (dominant) to the total number of organisms. Percent dominance should remain low to reflect a healthy biotic condition (Plafkin and others, 1989).
Florida index	Commonly used index for Florida streams that focuses on the tolerance of specific populations indigenous to the State. This index does not use the entire macroinvertebrate assemblage, and is heavily weighted to the arthropods (e.g., invertebrates with horny segmented external covering and jointed limbs). The Florida index increases in value as the condition of the water quality increases (Florida Legislature, 1990).
Shannon-Weaver index	Measures indices of community structure and function. The Shannon-Weaver value may range from 0 to 3.3 log N, where N = the total number of individuals. This index is often insensitive to subtle changes in community structure unless the environment has been grossly modified; however, it is often used to calculate other indices (USEPA, 1990).
Percent diptera	Increases in the presence of stress (USEPA, 1990).
Percent chironomid	Represent pollution tolerant benthic taxa (USEPA, 1990).
Percent ephemeroptera-plecoptera-trichoptera (EPT)	Consists of the most pollution sensitive benthic taxa. Communities with good biotic condition are characterized by a fairly even distribution among EPT and chironomids (USEPA, 1990).
Percent filter-collectors	Reflects the riffle and run community food base and provides insight into the nature of potential disturbance factors. Predominance of a feeding type may indicate an unbalanced community responding to an overabundance of a particular food source. Filtering collectors are sensitive to toxicants bound to fine particulate organic material and may decrease in abundance when exposed to sources of such bound toxicants (USEPA, 1990).
Percent shredders	Shredders are sensitive to riparian (bank to bank) zone impacts and are particularly good indicators of toxic effects when the toxicants are readily adsorbed to course particulate organic matter (USEPA, 1990).
Percent calcium dependent	Measures the number of crustacean and mollusc individuals. These taxa are calcium dependent and are generally most diverse in alkaline-fed streams. Stress such as habitat degradation or chemical contamination may eliminate certain taxa represented in this metric (Florida Department of Environmental Protection [FDEP], 1990).
Hilsenhoff biotic index (HBI)	Developed to summarize overall pollution tolerance of the benthic arthropod community. Similar in concept to the Florida index, but incorporates abundance and a slightly different weighing factor for tolerance. Tolerance values are assigned ranging from 0 to 10 (10 signifying the most tolerant). The 0 to 10 scale was modified to include non-arthropod species. The HBI decreases in value with increasing water resource integrity. Although it may be applicable for other types of pollutants, use of the HBI in detecting non-organic pollution effects has not been thoroughly evaluated (FDEP, 1990; USEPA, 1990).

Table 5-9
Selected Metrics for Description of Macroinvertebrates Sampled in Dip Nets[1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Station	Taxa Richness	Florida Index	HBI	EPT Index	Chironomid Taxa	Percent Dominant Taxon	Percent Shredders	Percent Filter Collectors
5-BIO-2	19	8	7.1	1	5	32.4	6.5	13
5-BIO-3	19	4	7.7	0	6	26.2	10.3	2.8
5-BIO-4	16	4	8.9	0	7	36.9	18.4	1.0
5-BIO-5 (Upstream Reference)	10	4	6.7	0	3	58.2	5.5	2.2
Five Mile Creek[2]	32	12	6.9	4	7	10.7	15.5	9.7

[1] Methods for calculation of metrics are reported in Appendix I.
[2] Five Mile Creek is the Florida regional reference station considered in this study.

Notes: HBI = Hilsenhoff biotic index.
EPT = ephemeropteraplecoptera-trichoptera.

5.2.4.1 Dip Net Samples The metric values selected for analyses of the dip net data include taxa richness, the Florida Index, Hilsenhoff Biotic Index, ephemeroptera-plecoptera-trichoptera (EPT) index, Chironomid taxa, percent dominant taxon, percent shredders, and percent filter-collectors (Table 5-9). The values calculated for each of these metrics are listed in Appendix I.

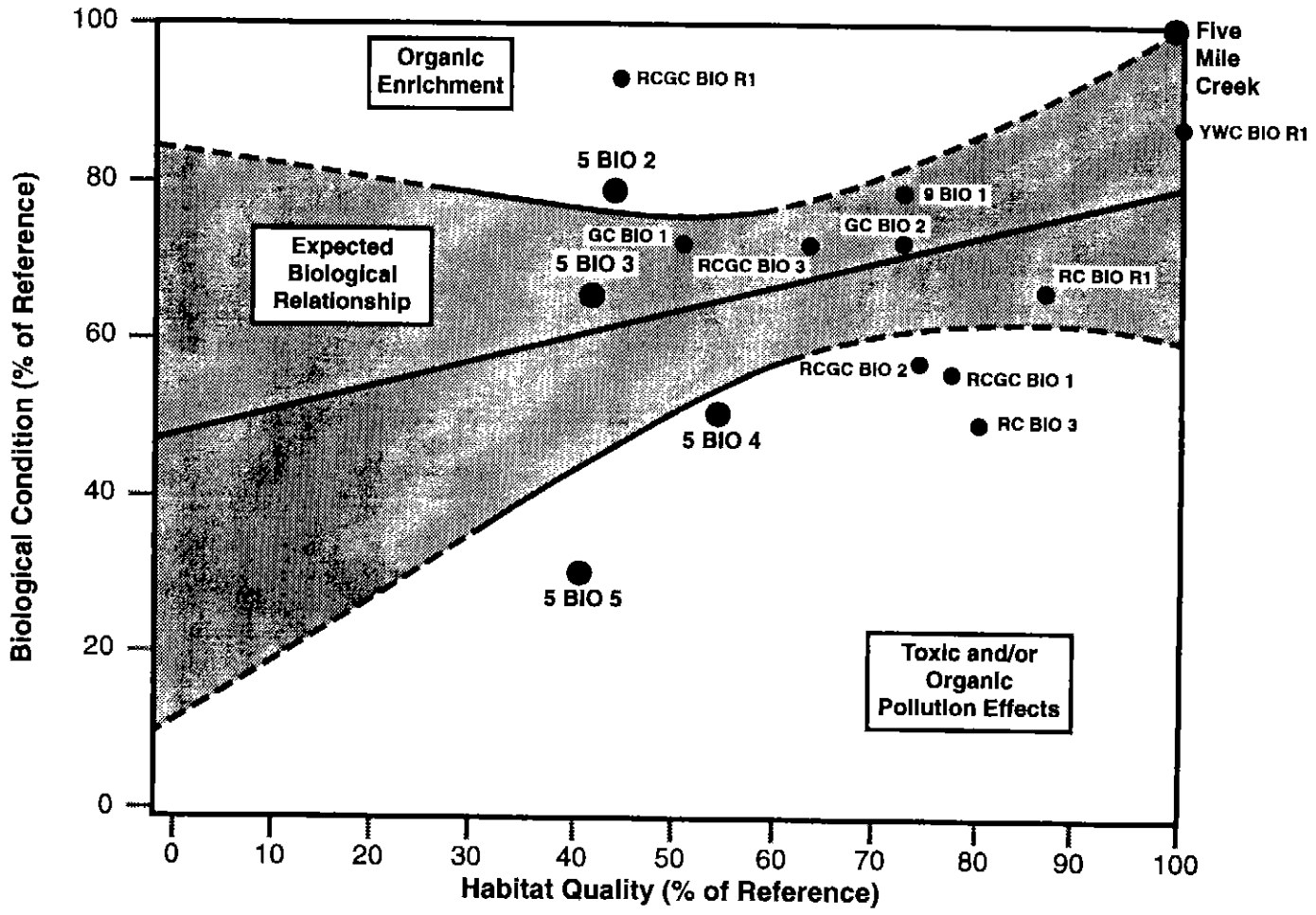
Examination and interpretation of the metric scores does not show any trends in the data or pattern of degradation with distance downstream from Site 5. Most of the metric values are similar to those calculated for the upstream reference (5-BIO-5) or the Five Mile Creek reference. Taxa richness is similar across all of the Site 5 stations and is lowest at the upstream location (5-BIO-5). The metric scores for the Hilsenhoff biotic index and Chironomid taxa were similar across the stations and were also similar to those values calculated for the Five Mile Creek regional reference. There is a lower propart of shredders at locations 5-BIO-5 and 5-BIO-5-2 than the stations further downstream (5-BIO-3 and 5-BIO-4).

The metric values were assigned bioassessment ranking scores and total metric scores were calculated for each station. Total scores ranged from lows of 8 at 5-BIO-5 (the upgradient reference station) and 14 at 5-BIO-4 to a high of 22 at 5-BIO-2 (Appendix I). The low DO levels at 5-BIO-5 may help explain the low total metric score. These scores were compared to the reference locations. The State of Florida regional reference, Five Mile Creek, was selected and used for all station comparisons. An upstream station (5-BIO-5) was used as an upstream reference. The regional reference station, Five Mile Creek, has better habitat quality than the Site 5 sampling stations. Direct comparisons of data from this regional reference with the Site 5 stations should be made carefully in consideration of this factor. It was not possible to find a regional reference station with similar habitat quality. Comparisons with the regional reference were made for the purpose of putting the Site 5 results in perspective with results for other streams in Florida. Emphasis is, however, placed on comparisons between the Site 5 stations and the upstream reference for making conclusions concerning potential impacts relative to Site 5.

The relationship between habitat quality and biological condition among all stations is illustrated as a line graph in Figure 5-3. Ninety-five percent confidence intervals were calculated for the data around the regression line to obtain the expected range of values for biological conditions given the level of habitat quality. In this manner, outliers were identified and attributed to causes other than habitat limitations.

The biological and habitat scores were divided by the reference score for a percent comparability value. The regression analysis was performed and the stations were plotted. Station plots that fall within the 95 percent confidence interval lines indicate a predictable condition of the biological community in response to habitat quality. Sites that fall in the lower right-hand area frequently indicate the depression of biological condition in habitat that has the capacity to support a healthy community. This situation is often indicative of toxic conditions resulting from poor water quality. Artificial (and usually temporary) elevations of biological conditions due to organic enrichment generally place sites in the upper part of the figure.

The only Site 5 drainage ditch station that falls within the predictable condition of the biological community in consideration of habitat quality is Station 5-BIO-3. Station 5-BIO-2 exhibited a higher condition of the benthic community than



Key: ——— = Expected relationship
▬ ▬ ▬ = Estimated relationship

Source: EA Engineering, Science, and Technology, 1994.

FIGURE 5-3

RELATIONSHIP BETWEEN HABITAT QUALITY AND BIOLOGICAL CONDITION FROM DIP NET SAMPLES TAKEN AT STATIONS AT CECIL FIELD

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would be expected based on the quality of the habitat present. Stations 5-BIO-4 and 5-BIO-5 fell just below the lower 95 percent confidence interval. The macroinvertebrate community appears to be below the condition expected for the quality of the habitat present.

5.2.4.2 **Ponar Samples** The taxa identified from the Ponar samples are indicative of the infaunal benthic community although some epifaunal components are also represented. Station-to-station differences in the community may be due to variations in substrate composition and/or man-induced alterations on the population. Because no State of Florida regional reference exists for this gear type, all comparisons were made to the upstream reference station, 5-BIO-5.

The metrics used to describe the structure and function of the benthic macroinvertebrate community as sampled by the Ponar dredge include total taxa, total number of individuals, density, Shannon-Weaver Diversity Index, the Florida index, percent EPT, and the Hilsenhoff biotic index. The metric values calculated for the Ponar samples for each of the sampling stations are included in Appendix I; selected metrics are included in Table 5-10.

Table 5-10
Selected Metrics for Macroinvertebrate Samples Collected by Ponar Dredge [1]

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Station	Taxa Richness	Density[2]	Florida Index	HBI	EPT Index	Percent Chironomid Taxa	Percent Dominant Taxon
5-BIO-2	13	702	3	8.7	0	75.5	30.6
5-BIO-3	25	1,691	5	8.9	0	43.2	32.2
5-BIO-4	10	1,247	2	9.4	0	28.7	60.9
5-BIO-5 (upstream reference)	5	143	2	7.3	0	20.0	30.0

[1] Methods for calculation of metrics are reported in Appendix I.
[2] Density is equal to the number of individuals per square meter.

Notes: HBI = Hilsenhoff biotic index.
EPT = ephemeropteraplecoptera-trichoptera.

Total taxa were low at 5-BIO-5 (n = 5), 5-BIO-4 (n = 10), and 5-BIO-2 (n = 13). The greatest number of total taxa from the Site 5 drainage ditch were found at 5-BIO-3, with 25 taxa represented. Density was lowest at 5-BIO-5 (143 per square meter [m^2]). Density was low at station 5-BIO-2 with 702 individuals per m^2, whereas stations 5-BIO-3 and 5-BIO-4 had 1,691 and 1,247 individuals per m^2, respectively. The Florida index was lowest at 5-BIO-5 (2) and 5-BIO-4 (2). The other two stations (5-BIO-2 and 5-BIO-3) were somewhat higher at 3 and 5, respectively. Diversity as measured by the Shannon-Weaver index was lowest at 5-BIO-5 (2.246) and 5-BIO-4 (1.973). Density for stations 5-BIO-2 and 5-BIO-3 were slightly higher at 2.807 and 3.116, respectively.

The Hilsenhoff biotic index had little variability between stations ranging from a low of 7.3 at 5-BIO-5 (the upgradient reference station) to 9.4 at 5-BIO-4. Chironomids dominated the benthic community at 5-BIO-2 (75.5 percent) compared to the other Site 5 stations, which ranged from 20.0 percent to 43.2 percent. Percent Chironomid taxa decreased with distance downstream of Site 5 and was lowest at the upstream station (5-BIO-5). Percent dominant taxon at Stations 5-BIO-2 and 5-BIO-3 were similar and were comparable to the upstream reference. The metric value was higher at Station 5-BIO-4 at 60.9 percent.

5.2.5 Summary of Macroinvertebrate Study A review of the macroinvertebrate habitat quality parameter data suggests that habitat quality conditions throughout this drainage ditch, including the upstream reference station, represent a poor environment for many types of aquatic organisms. Furthermore, the highly variable conditions associated with ephemeral streams such as the Site 5 drainage ditch are not representative of aquatic habitat for which available bioassessment protocols were designed to evaluate; only certain types of aquatic taxa are well-adapted to exploiting these habitats. Ephemeral streams tend to have a distinctive faunal composition with little overlap with nearby permanent lotic environments (Ward, 1992). Aquatic habitat conditions at Site 5 are dissimilar enough to suggest that the biological data collected from the drainage ditch are not comparable to the regional data set. Five Mile Creek is deeper, cooler, more acidic, more oxygenated, and has a lower conductivity than any of the stations evaluated in this study. Although the potential impacts of these differences in conditions were considered in the bioassessment procedure, the structure and function of aquatic macroinvertebrate communities that are adapted to the conditions found in the Site 5 drainage ditch are anticipated to be dissimilar to those typical of systems with better habitat quality.

The generally poor habitat quality observed at the upstream reference station limits the interpretation of the benthic results. Taxa identified within the Site 5 drainage ditch indicate a stressed environment. The predominance of pulmonate gastropods at several of the Site 5 stations is indicative of stressful physical conditions (particularly low dissolved oxygen). Because of their ability to use atmospheric air for respiration, pulmonate snails are typically associated with anaerobic aquatic conditions and have been regularly reported occurring in freshwater containing less than 1.0 mg/ℓ dissolved oxygen (Hart and Fuller, 1974). Aquatic macrophytes, which can provide a substrate for snails, were also common at station 5-BIO-5. Midge larvae in the genera *Chironomus* and *Procladius* were among the dominant taxa collected at the Site 5 samples. Although the taxonomic samples were not identified to the species level, the hemolymph of many Chironomid larvae ("bloodworms") contains hemoglobin, which allows them to endure low dissolved oxygen conditions.

Comparison of the metrics between the Site 5 sampling stations indicates no clear trends in data with the exception of percent Chironomid taxa. Percent Chironomid taxa decreases with distance downstream of Site 5 and is lowest at the upstream station (5-BIO-5). A benthic community dominated by Chironomid taxa is characteristic of a stressed benthic community. Based on the metrics calculated for the dip net samples, the benthic communities at Stations 5-BIO-04 and 5-BIO-5 are below their respective expected condition relative to the quality of habitat present. Station 5-BIO-03 is within the expected condition given that the habitat quality and the condition of the benthic community at Station 5-BIO-02 is above the expected condition (Figure 5-3).

The benthic community results are also discussed in relation to the results for sediment toxicity testing and chemical analyses in the risk characterization for surface water and sediment at Site 5 in Chapter 6.0.

5.3 RARE, ENDANGERED, AND THREATENED SPECIES. Rare, endangered, and threatened species identified as potentially residing on NAS Cecil Field are listed in Table 5-11. The list is based on a review of available information including the Initial Assessment Study (Envirodyne Engineers, 1985), a rare and endangered plant survey report (Environmental Services and Permitting, Inc., 1990), and the Technical Memorandum for Supplemental Sampling at OUs 1, 2, and 7 (ABB-ES, 1992). Confirmation of this information has been requested from appropriate personnel of the USFWS, NAS Cecil Field personnel, the Florida Game and Fresh Water Fish Commission, and the National Oceanic and Atmospheric Administration (NOAA) (Wood, 1994).

Although no rare and endangered animal species are known to occur at either Site 5 or Site 17, several records exist for listed animals in the immediate vicinity of the Sites. The gopher tortoise (*Gopherus polyphemus*), a State species of special concern (SSC) and a Federal-candidate species, is a confirmed resident at NAS Cecil Field. This reptile has been observed by ABB-ES ecologists within 1,000 feet of Site 5, and may transiently occur at either site. No evidence of tortoise borrows or nesting activity was observed at either site. In addition, the American alligator (*Alligator mississippiensis*), a State-listed SSC, is a confirmed resident in Lake Fretwell, located to the east of Site 5. As discussed in OU 2 RI report (ABB-ES, 1994a), Lake Fretwell is not being evaluated in this RA but will be considered in a future study.

Two State-listed (threatened) plant species are known to occur at Site 17: hooded pitcher plant (*Sarracenia minor*) and grass pink (*Calopogon tuberosus*). Both of these species have been observed in the eastern part of the site by ABB-ES ecologists. In addition, the wetlands at and adjacent to the OU 2 sites contain fern species (i.e., *Osmunda cinnamomea*, *O. regalis*, and *Woodwardia areolata*) known to be commercially exploited in Florida.

Table 5-11
Rare, Endangered, and Threatened Flora and Fauna at or in the Vicinity of NAS Cecil Field

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Common Name	FGFWFC[1]	USFWS[2]	FDA[3]	Comments
Florida gopher frog (*Rana capita*)	SSC	C2		Possible resident at NAS Cecil Field (Envirodyne Engineers, 1985).
American alligator (*Alligator mississippiensis*)	SSC	T(S/A)		Confirmed resident in Lake Fretwell (Envirodyne Engineers, 1985).
Eastern indigo snake (*Drymarchon corais couperi*)	T	T		Confirmed resident at NAS Cecil Field (Envirodyne Engineers, 1985).
Gopher tortoise (*Gopherus polyphemus*)	SSC	C2		Confirmed resident at NAS Cecil Field (Envirodyne Engineers, 1985).
Wood stork (*Mycteria americana*)	E	E		Suitable habitat for feeding may be present in shallow water areas at NAS Cecil Field (Envirodyne Engineers, 1985).
Southeastern kestrel (*Falco sparverius paulus*)	T	C2		Confirmed migrant (Envirodyne Engineers, 1985)
Arctic peregrine falcon (*Falco peregrinus tundrius*)	E	T		Confirmed migrant (Envirodyne Engineers, 1985)
Bald eagle (*Haliaeetus leucocephalus*)	T	E		Confirmed migrant (Envirodyne Engineers, 1985)
Sherman's fox squirrel (*Sciurus niger shermani*)	SSC	C2		Possible resident of pine woods. Confirmed resident of similar habitat at NAS Jacksonville. Not known to be a resident species at NAS Cecil Field (Envirodyne Engineers, 1985).
Florida black bear (*Ursus americanus floridanus*)	T	C2		Evidence of black bears reported in outlying areas in 1982 (Envirodyne Engineers, 1985).
Florida mouse (*Peromyscus floridanus*)	SSC	C2		Known from Clay County, may range into habitats (sand pine scrub and longleaf pine-turkey oak communities) present at NAS Cecil. Not known to be a resident at NAS Cecil Field (Envirodyne Engineers, 1985).
Hooded pitcher plant (*Serracenia minor*)			T	Found in wetland at Site 17.
Spoon-leaved sundew (*Drosera intermedia*)			T	Found at one location at Yellow Water Weapons area in drainage ditch (Environmental Services & Permitting [ESP], 1990).

See notes at end of table.

Table 5-11 (Continued)
Rare, Endangered and Threatened Flora and Fauna at or in the Vicinity of NAS Cecil Field

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Common Name	FGFWFC[1]	USFWS[2]	FDA[3]	Comments
Cinnamon fern (*Osmunda cinnamomea*)			CE	Found at Site 5 and Site 17 (Camp, Dresser, and McKee, 1994).
Royal fern (*Osmunda regalis*)			CE	Found in wetlands at Site 5 and at Site 17 (Camp, Dresser, and McKee, 1994).
Bartram's ixia (*Salpingostylis coelestinum*)		PE	E	Not encountered although appropriate habitat exists and associated plants were common (ESP, 1990).
Variable-leaf crown beard (*Verbesina heterophylla*)		C1		Found at one location at NAS Cecil Field in sandhill habitat (ESP, 1990).
Netted chain fern (*Woodwardia areolata*)			T	Found at Sites 5 and 17 by ABB Environmental Services, Inc. (ABB-ES) ecologist.
Grass pink (*Calopogon tuberosus*)			T	Found at Site 17 by ABB-ES ecologist

[1] Florida Game and Fresh Water Fish Commission (list published in Section 39-27.003-005, Florida Administrative Code) (Wood, 1993).
[2] U.S. Fish and Wildlife Service (list published in List of Endangered and Threatened Wildlife and Plants, 50 CFR 17.11-12) (Wood, 1993).
[3] Florida Department of Agriculture and Consumer Services (list is statutorily designated by the Preservation of Native Flora of Florida Act (581.185-187, Florida Statutes)) (Wood, 1993).

Notes: SSC = species of special concern.
C2 = a candidate for Federal listing with some evidence of vulnerability, but for which not enough information exists to justify listing.
T(S/A) = threatened due to similarity of appearance.
T = threatened.
E = endangered.
CE = commercially exploited.
PE = proposed for addition to the list of endangered and threatened wildlife species.
C1 = a candidate for Federal listing for which there is enough substantial information on biological vulnerability and threats to justify listing.

6.0 ECOLOGICAL RISK ASSESSMENT

This ERA evaluates actual and potential adverse effects to ecological receptors associated with exposure to contamination from Sites 5 and 17, which comprise OU 2 at NAS Cecil Field. The ERA for OU 2 was completed in accordance with current guidance materials for ERAs at Superfund sites including the following:

- Risk Assessment Guidance for Superfund, Environmental Evaluation Manual (USEPA, 1989f);
- Ecological Assessment of Hazardous Waste Sites, A Field and Laboratory Reference (USEPA, 1989b); and
- Ecological Assessment of Superfund Sites, An Overview (USEPA, 1991c).

Recent risk assessment guidance including the USEPA "Eco Update" bulletins (USEPA, 1991f; 1992c; 1992d) and recent publications (e.g., Maughan, 1993; Suter, 1993) were also consulted.

The ERAs for Site 5 and Site 17 are presented in Sections 6.2 and 6.3, respectively. The general methodology for completing the assessments is included as Section 6.1. Each ERA examines the potential or actual adverse effects to ecological receptors associated with exposures to contamination in surface soil, surface water, sediment, and groundwater (Site 5 only).

6.1 ECOLOGICAL ASSESSMENT METHODOLOGY. The following subsections describe the approach and methodologies for the ERA at OU 2. The assessment approach integrates a variety of methodologies to assess risks. The decisions regarding overall risk to ecological receptors are based on the weight of evidence from the results of all components of the assessment methodology (i.e., an approach that integrates results of physical, biological, toxicological, and modeling studies to draw risk-based conclusions). The weight-of-evidence components were designed to provide measures of risks for different ecological receptors, exposure pathways, and potential adverse effects.

6.1.1 Problem Formulation Problem formulation is the initial step of the ERA process. Figure 6-1 presents a conceptual model of the contaminant pathway from source to ecological receptors for Sites 5 and 17. Problem formulation is composed of identification of receptors, identification of exposure pathways for those receptors, and the assessment and measurement endpoints selected for the ERAs.

6.1.1.1 Identification of Receptors Ecological receptors at Sites 5 and 17 include terrestrial and wetland plants and animals. Terrestrial and wetland flora and fauna potentially using Sites 5 and 17 are identified in Section 5 and in Appendix H.

Aquatic receptors present in the Site 5 wetland and in the drainage ditch from Site 5 to Lake Fretwell include invertebrates, plants, algae, amphibians, and fish. Aquatic species identified in the drainage ditch during field sampling events are discussed in Appendix I and Section 5.2. As discussed in the RI report

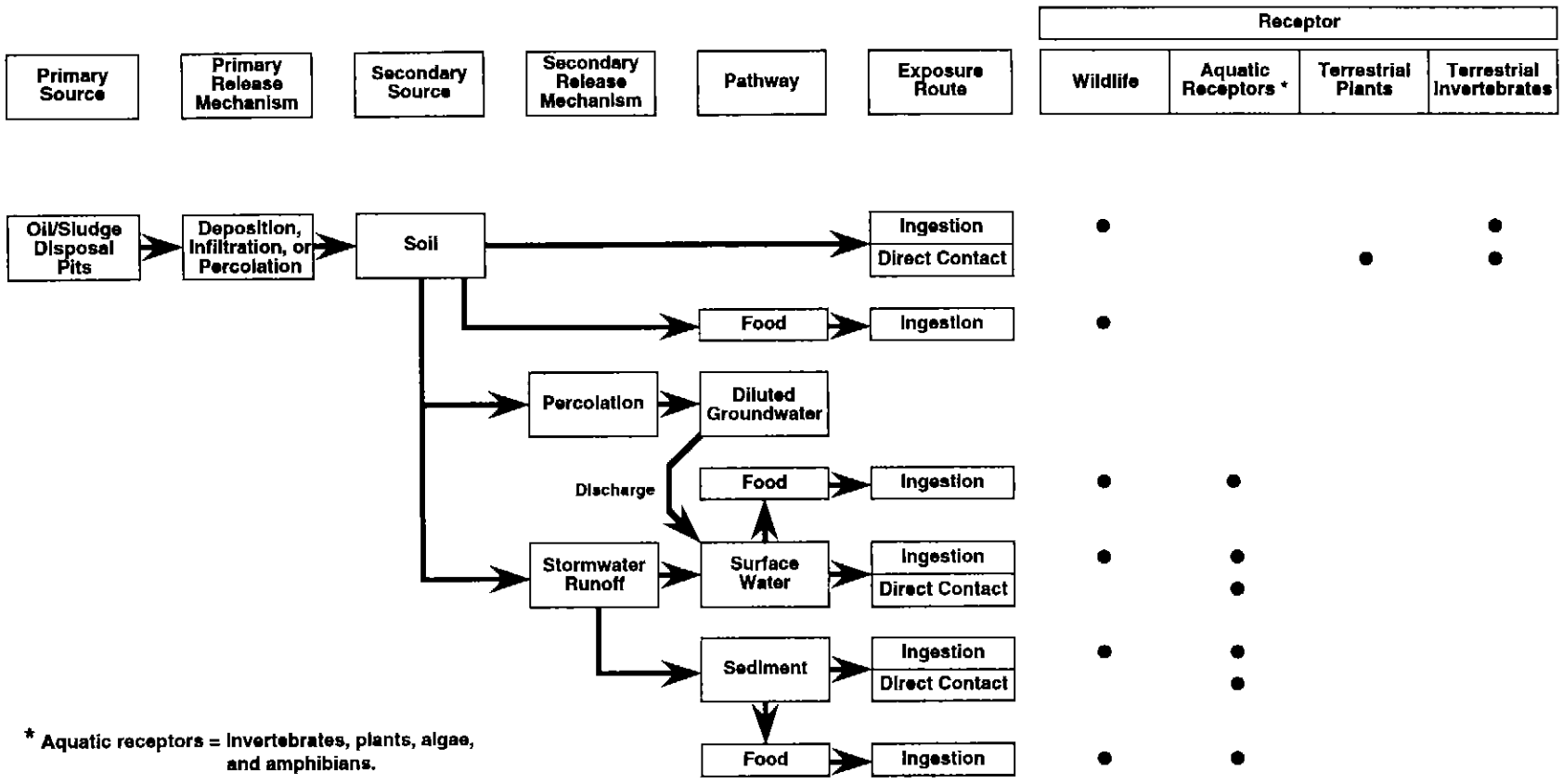

FIGURE 6-1

CONTAMINANT PATHWAY MODEL FOR ECOLOGICAL RECEPTORS, OPERABLE UNIT 2

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for OU 2, potential risks for Lake Fretwell ecological receptors are not evaluated in this ERA but will be evaluated in a future investigation.

6.1.1.2 Identification of Exposure Pathways Exposure pathways are identified for four groups of ecological receptors (terrestrial and wetland wildlife, terrestrial plants, terrestrial invertebrates, and aquatic receptors). The exposure pathway includes a source of contamination, contaminated media (surface soil, food, groundwater, surface water, and sediment), and an exposure route. The exposure pathways from hazardous waste source to ecological receptors are depicted in the Contaminant Pathway Model in Figure 6-1.

Not all potential routes of exposure are presented in the Contaminant Pathway Model. The model represents only those pathways that are evaluated in the ERA for Sites 5 and 17. This limitation is necessary to focus the risk evaluation on the pathways for which: (1) contaminant exposures are the highest and most likely to occur and (2) there are adequate data pertaining to the receptors, contaminant exposures, and toxicity for completion of risk analyses. Exposure pathways evaluated include portions of food chains (e.g., surface soil → primary consumer → secondary consumer → tertiary consumer), as well as other direct and indirect exposures.

Because aquatic receptors were not identified at Site 17 and no exposure pathways have been identified linking groundwater from Site 17 to the wetland east of the Site, exposure from groundwater to aquatic and wetland receptors has only been evaluated at Site 5.

Terrestrial and Wetland Wildlife. The exposure routes evaluated for wildlife represent those pathways that are believed to contribute the highest potential contaminant exposures. These exposure routes include ingestion of soil, sediment, and food items that are contaminated as a result of accumulation of contamination from the soil and sediment. An assumption is made that fur, feathers, or chitinous exoskeleton limit the transfer of contamination across the dermis; therefore, exposures related to dermal contact are not evaluated as part of this ERA. Exposures related to inhalation are not evaluated because this pathway is generally considered an insignificant route of exposure except in unusual circumstances, such as following a spill or release.

Potential contaminant exposures for reptiles and amphibians exist at the OU 2 sites, but are not evaluated due to a lack of availability of data relating contaminant exposures to adverse responses for reptiles and amphibians.

Aquatic Receptors. Exposure pathways evaluated for aquatic receptors at Site 5 (including invertebrates, plants, and amphibians) include direct contact with surface water, sediment, and groundwater (as it discharges to surface water). Aquatic life may also be exposed to contamination in sediment as the result of ingestion of the sediment. This pathway was not chosen for evaluation because information on the amount of sediment ingested by aquatic organisms and associated toxicity is generally not available.

Terrestrial Plants and Invertebrates. Terrestrial plants and soil invertebrates may be exposed to contamination in surface soil by direct contact with and ingestion of the soil. Terrestrial plants may also be exposed to contamination in groundwater where roots reach a zone of saturation. This exposure pathway was

not selected for evaluation because of difficulties estimating contaminant exposures for terrestrial plants from groundwater.

Exposures and risks for selected terrestrial plants and invertebrates were directly evaluated for soil at Sites 5 and 17 through the use of soil laboratory toxicity tests.

6.1.1.3 Identification of Endpoints The endpoints selected for the ERA for OU 2 are listed in Table 6-1. Measurements of actual toxicity and adverse effects were completed when possible to decrease uncertainties and to measure the adverse effects associated with the actual mixture of contamination present in soil and sediment. The endpoints for aquatic receptors, terrestrial and wetland wildlife, and terrestrial plants and invertebrates are discussed separately. Both measurement and assessment endpoints are identified in Table 6-1. Assessment endpoints represent the ecological component to be protected, whereas the measurement endpoints approximate or provide a measure of the achievement of the assessment endpoint.

Aquatic Receptors. An assessment endpoint for aquatic receptors at Site 5 is the survival and maintenance of a well-balanced benthic macroinvertebrate community structure and function. This endpoint was measured based on the results of the quantitative and semi-quantitative benthic macroinvertebrate sampling described in Section 5.2, as well as results of the laboratory toxicity tests described in Appendix J. Survival and maintenance of fish and aquatic plant populations is a second assessment endpoint for aquatic life. The survival and maintenance of fish, plant, and invertebrate populations were estimated based on literature-reported concentrations of a contaminant in water or sediment in a laboratory or field toxicity test that is associated with adverse effects on reproduction, growth, or survival of a test population.

Figure 6-2 presents an illustration of the use of the weight-of-evidence approach in the aquatic systems at Site 5.

Terrestrial and Wetland Wildlife. The assessment endpoint selected for terrestrial and wetland wildlife is the maintenance of wildlife populations and communities within the habitats present at Sites 5 and 17. Because no long-term wildlife population data are available at NAS Cecil Field, a direct measurement of this assessment endpoint is not possible. The results of laboratory toxicity studies in the literature that relate the dose of a contaminant in an oral exposure with an adverse response to growth, reproduction, or survival of a test population (avian or mammalian species) were used as a measure of the assessment endpoint.

Terrestrial Plants and Invertebrates. The assessment endpoint selected for terrestrial plants and invertebrates is the survival, growth, and reproduction of terrestrial invertebrate and plant communities. This endpoint is measured by the survival of the earthworm *Eisenia foetida* in testing with surface soil samples and the response of the lettuce (*Lactuca sativa*) seed in germination tests with surface soil samples from Sites 5 and 17. This laboratory toxicity testing provides a direct measure of the toxicity of the mixture of contaminants in soil to a terrestrial invertebrate and plant species. It is assumed that the responses of these test species is an adequate indicator for other terrestrial invertebrates and plants occurring at Sites 5 and 17.

Table 6-1
Endpoints for Ecological Assessment of Operable Unit 2

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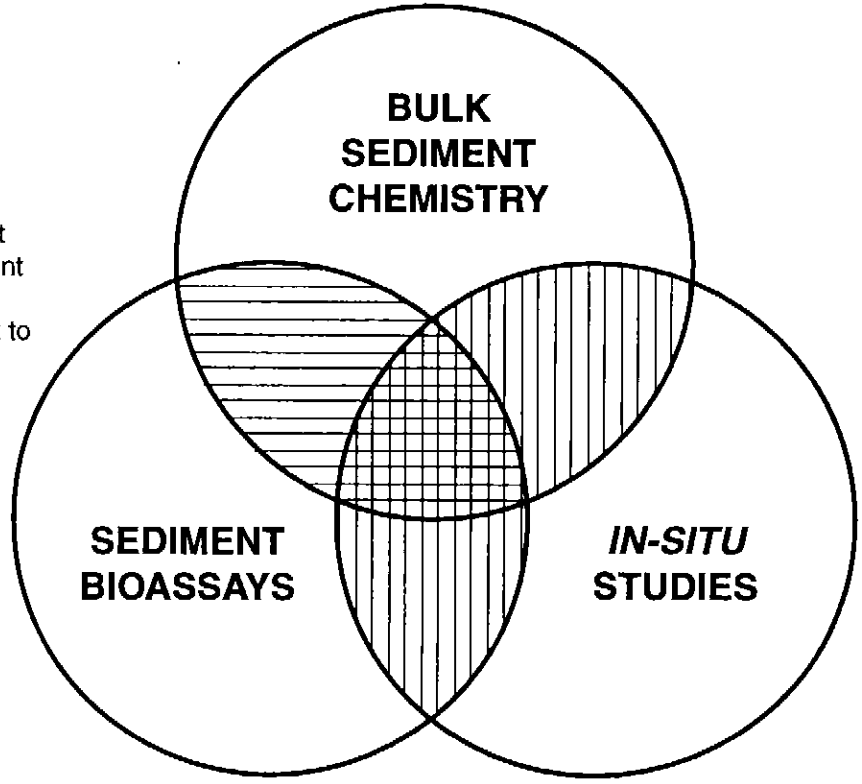
Media	Receptor	Assessment Endpoint	Measurement Endpoint
Surface Water	Aquatic life (invertebrates, fish, plants, and amphibians)	Survival and maintenance of benthic macroinvertebrate community structure and function.	Direct measurement of macroinvertebrate community structure and function.
		Survival and maintenance of fish, macroinvertebrate, and aquatic plant populations.	Contaminant concentrations in surface water associated with adverse effects to growth, reproduction, or survival of aquatic organisms.
Sediment	Aquatic life (invertebrates, fish, plants, and amphibians).	Survival and maintenance of benthic macroinvertebrate community structure and function.	Field sampling and measurement of macroinvertebrate community structure and function.
		Survival and maintenance of fish, macroinvertebrate, and aquatic plant populations.	Toxicity testing of sediment.
			Contaminant concentrations in sediment associated with adverse effects to growth, reproduction, or survival of aquatic organisms.
Surface Water, Sediment, and Surface Soil	Terrestrial and wetland wildlife	Survival of wildlife populations and communities.	Oral contaminant exposure concentrations representing adverse effects to growth, reproduction, or survival of mammalian or avian laboratory test populations.
Surface Soil	Terrestrial invertebrates	Survival of terrestrial invertebrate communities	Survival and growth of earthworms exposed to surface soil samples in laboratory toxicity tests.
Surface Soil	Terrestrial plants	Survival, reproduction, and growth of plant communities.	Germination of lettuce seeds exposed to surface soil samples in laboratory toxicity tests.

The cross-hatched area represents the best weight of evidence when using bulk sediment chemistry, sediment bioassays, and *in-situ* macroinvertebrate studies in evaluating risk to aquatic receptors.



SOURCE: Chapman, 1992.

FIGURE 6-2

CONCEPTUAL MODEL OF THE "WEIGHT OF EVIDENCE" APPROACH FOR ANALYSIS OF RISKS TO AQUATIC RECEPTORS

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6.1.2 Selection of Ecological Contaminants of Potential Concern (ECPCs) ECPCs represent the analytes detected in media (surface soil, surface water, sediment, and groundwater) that are considered in the ERA. The ECPCs are assumed to be associated with waste disposal practices at Sites 5 and 17 and could present a potential risk for ecological receptors. The process for selection of ECPCs is depicted in Figure 6-3. Surface water and sediment ECPCs were selected separately for wildlife and aquatic receptors because available ECPC screening tools distinguish between these two groups of receptors. The upgradient (surface water, sediment, and groundwater) and background (surface soil) analyte concentrations used in the screening process are discussed in Section 3.3.

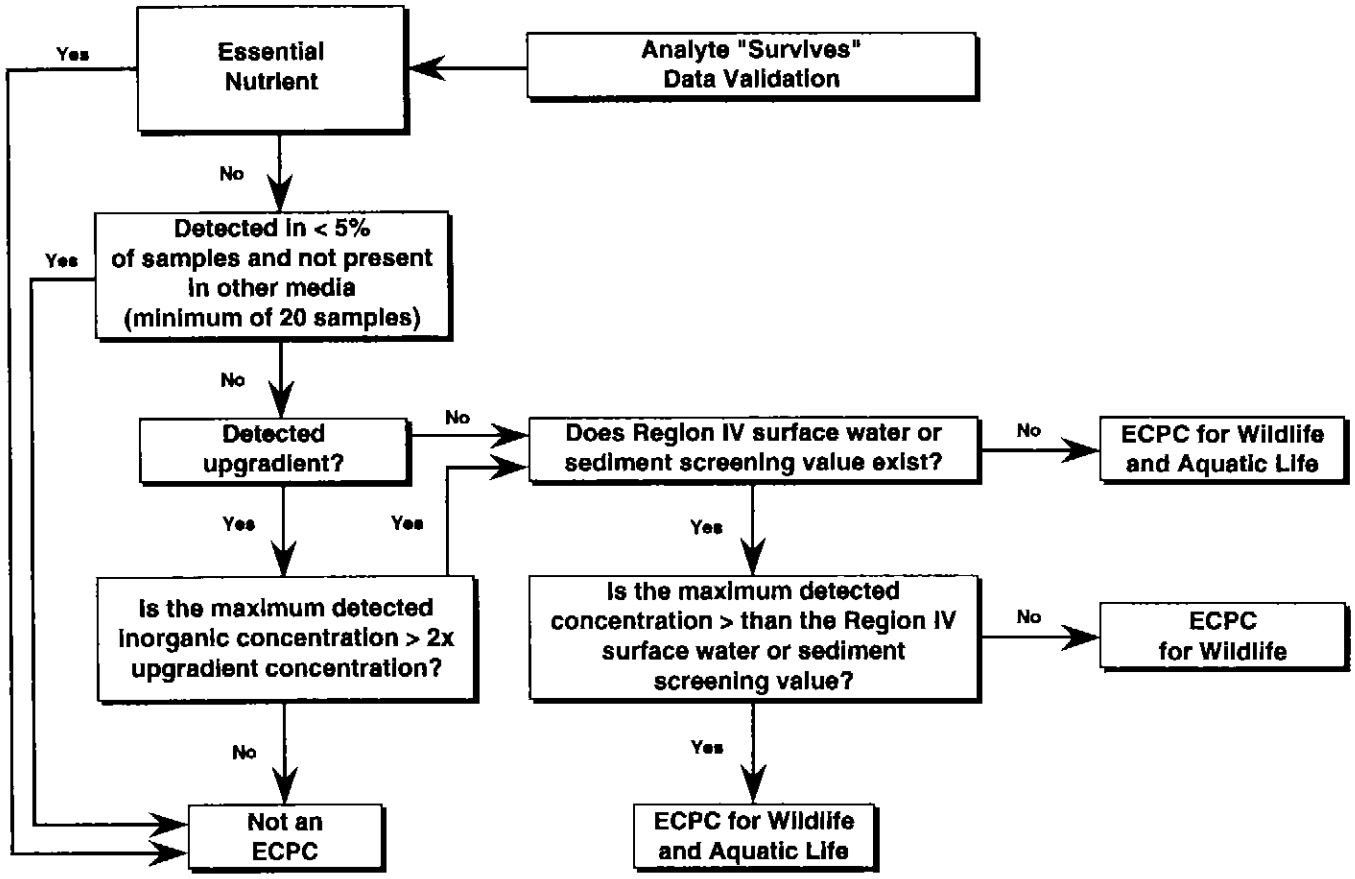
Pursuant to USEPA (1989f; 1989b) national guidance, analytical data for each site at NAS Cecil Field were evaluated to determine their validity for use in risk assessment. Analytes were not selected as ECPCs if the site concentrations were within 5 to 10 times the concentrations in associated trip blanks or method blanks. In addition, analytes in surface soil, surface water, sediment, and groundwater were not selected as ECPCs if the analyte was detected in 5 percent or fewer of the samples analyzed and were not selected as ECPCs in any other media. In accordance with USEPA Region IV guidance (USEPA, 1991d), if the maximum detected concentration of an inorganic analyte was less than 2 times the average inorganic concentration detected in the respective upgradient (surface water, sediment, or groundwater) or background samples (surface soil), then the analyte was not selected as an ECPC.

All analytes in surface soil, surface water, and sediment retained as ECPCs after the first two steps were selected as ECPCs for terrestrial or wetland wildlife. ECPCs for aquatic receptors for groundwater, surface water, and sediment were selected based on an additional step in accordance with USEPA Region IV guidance (USEPA, 1991d; 1992b). Analytes in sediment were selected as ECPCs if the maximum concentration detected exceeded the USEPA Region IV screening values for sediment (USEPA, 1994b), or if a USEPA Region IV screening value was unavailable, exceeded 2 times the concentration in the upgradient reference station (inorganics only). Analytes in surface water and groundwater were retained as ECPCs for aquatic receptors if the maximum concentration detected exceeded the USEPA Region IV screening concentration (USEPA, 1992b) or, if a screening value was not available, exceeded 2 times the concentration in the upgradient reference station (inorganics only).

Calcium, magnesium, potassium, and sodium were excluded as ECPCs for all media as they are considered to be essential nutrients and are only toxic at extremely elevated concentrations. Evidence suggests that there is little potential for toxic effects resulting from over-exposure to these essential nutrients. The highly controlled physiological regulatory mechanisms of these inorganics suggest that there is little, if any, potential for bioaccumulation, and available toxicity data demonstrate that high dietary intakes of these nutrients are well-tolerated (NAS, 1977; National Research Council [NRC], 1982; 1984).

All ECPCs selected for the ERA are summarized in tables that include:

- the frequency of detection,
- range of CRQLs and CRDLs,
- range of detected concentrations,



Notes:

ECPC = Ecological contaminant of potential concern

> = Greater than

< = Less than

FIGURE 6-3

ECOLOGICAL CONTAMINANT OF POTENTIAL CONCERN SELECTION PROCESS

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

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- average detected concentration,
- average of all concentrations (only for analytes selected as ECPCs),
- 95th percentile UCL (only for analytes selected as ECPCs),
- USEPA Region IV screening criteria (surface water and sediment only), and
- twice the average background or upgradient concentration for each of the inorganic analytes.

6.1.3 Exposure Assessment Exposure assessment is the process of estimating or measuring the amount of an ECPC in environmental media (surface soil, surface water, sediment, food items, or groundwater) to which an ecological receptor may be exposed via respective exposure routes. The following subsections discuss how contaminant exposures were estimated or measured for aquatic receptors, wildlife, terrestrial plants, and terrestrial soil invertebrates. A summary table listing receptors evaluated at the OU 2 sites is included as Table 6-2.

6.1.3.1 Aquatic Receptors Exposure concentrations for aquatic receptors are the amounts of the ECPCs measured in surface water and sediment at the sampling locations in the Site 5 drainage ditch and wetland and in the Site 17 wetland. Sediment samples were collected from locations in the Site 5 drainage ditch for toxicity testing. These toxicity tests represent exposure of laboratory-grown test organisms to the actual mixture of contaminants in the system and represent a means for measurement of bioavailability and responses to sediment contamination.

6.1.3.2 Terrestrial and Wetland Wildlife Routes of exposure for wildlife for which exposure concentrations were measured or estimated include direct or indirect ingestion of soil, surface water, and sediment and ingestion of contaminated food. Concentrations of the ECPCs measured in Site 5 and 17 surface soil samples were used to estimate the contaminant exposures for wildlife receptors at each site.

To assess exposure, maximum and average exposure point concentrations (EPCs) were chosen for all analytes exceeding ECPC selection criteria. When the sample size was less than or equal to 3, the maximum detected concentration was used as the maximum EPC. When the sample size was greater than or equal to 4, the lesser of the maximum detected concentration or the 95th percentile UCL calculated on the log-transformed arithmetic average was selected as the maximum EPC. The average of all samples, with a value of one-half the sample quantitation limit (SQL) assigned for all samples in which the analytes was not detected, was used to represent the average EPC at each site unless it exceeded the maximum EPC, in which case the maximum EPC was used for both scenarios.

Both maximum and average EPCs are presented in each site-specific ECPC table. To efficiently evaluate exposure and risk at the OU 2 sites, if no risk was calculated from exposure to the maximum EPC, then no average exposure scenarios were evaluated (i.e., if no risk was estimated at maximum EPCs, average exposure will result in even less risk and was, therefore, not calculated).

Table 6-2
Ecological Receptors Evaluated at OU 2

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Receptor Evaluated		Media					
		Surface Soil		Surface Water		Sediment	
Common Name	Scientific Name	Site 5	Site 17	Site 5	Site 17	Site 5	Site 17
Food-web modeling							
Cotton mouse	*Peromyscus gossypinus*	✓	✓	✓		✓	
Rufous-sided towhee	*Pipilpo erythrophthalmus*	✓	✓	✓		✓	
Short-tailed shrew	*Blarina brevicauda*	✓	✓	✓		✓	
Red fox	*Vulpes vulpes*	✓	✓				
Great-horned owl	*Bubo virginianus*	✓	✓	✓		✓	
American woodcock	*Scolopex minor*	✓	✓	✓[1]		✓[1]	
Raccoon	*Procyon lotor*			✓		✓	
Great blue heron	*Ardea herodias*			✓		✓	
Biological Sampling							
Benthic macroinvertebratres				✓		✓	
Toxicity Testing							
Water flea	*Ceriodaphnia dupia*					✓	
Amphipod	*Hyallela azteca*					✓	
Earthworm	*Eisenia foetida*	✓	✓				
Lettuce seed	*Lactuca sativa*	✓	✓				

[1] American woodcock was only evaluated in the Site 5 wetland, and not in the Site 5 drainage ditch.

The actual amount of an ECPC taken in by a wildlife species as the result of indirect or direct ingestion is dependent upon a number of factors. To evaluate risk at Sites 5 and 17, certain species are selected as representative wildlife species for evaluation in a food chain model. The representative wildlife species selected are described in the respective ERAs for Sites 5 and 17. Table 6-3 summarizes how contaminant exposure concentrations were determined for ECPCs in surface soil, sediment, and surface water for the representative wildlife species evaluated in the food web model.

A total Potential Dietary Exposure (PDE) is estimated for each representative wildlife species for each surface soil ECPC according to the equations in Table 6-3. The PDE is calculated based on the predicted concentrations of the ECPCs in food items that the species would consume, the amount of soil it would ingest, the relative amount of different food items in its diet, body weight, and food ingestion rate.

Prey items for wildlife species evaluated in the food web exposure models included invertebrates and plants. Tissue concentrations of ECPCs in invertebrate and plant prey items were estimated using Bioaccumulation Factors (BAFs).

BAFs in invertebrates and plant prey items were defined as the ratio of the ECPC concentration in plant or invertebrate tissue to the ECPC concentration in surface soil. The BAFs reported for avian and mammalian receptors were defined as the reported ratios of ECPC concentrations in the tissues of these receptors to the concentrations of ECPCs in their food items. BAFs were extrapolated from literature values or regression equations in the scientific literature; when neither literature values nor regression equations were available, BAFS were estimated using best professional judgment. Invertebrate BAFs were obtained from tissue analyses of the earthworms exposed to surface soil in the laboratory toxicity tests described in Appendix J. The general approach used to select BAFs for the OU 2 sites is summarized in Table 6-4. BAFs for each of the ECPCs evaluated at OU 2 are included in Appendix K.

The Site Foraging Factor (SFF) allows for consideration of the frequency of feeding in the site area by estimating the acreage of the site relative to the receptor's feeding range and by considering the fraction of the year the receptor would be exposed to site contaminants. By definition, the SFF cannot exceed one.

For each representative wildlife species, the estimated percentage of soil in the overall diet was multiplied by the concentration of each ECPC in the soil and the food ingestion rate (kilogram [kg] per day) to determine the soil exposure concentration. Incidental soil ingestion associated with foraging activities is based on a study by Beyer and others (1991), the USEPA Exposure Factors Handbook (USEPA, 1993d), or was conservatively assumed to represent 5 percent of the total dietary intake.

Total contaminant exposure for representative wildlife species related to ECPCs in surface water and sediment was determined according to the equation in Table 6-3. This model considers exposure concentrations of ECPCs in prey items, the amount of sediment and surface water that wildlife ingest, body weight, food ingestion rate, and water intake rate.

Table 6-3
Model for Prediction of Contaminant Exposures for Representative Wildlife Species

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Prediction of Contaminant Exposures Related to Surface Soil

Description: Estimates the amount (dose) of a contaminant ingested and accumulated by a species via incidental ingestion of contaminated surface soil and ingestion of contaminated food items.

Soil Contaminant Concentration:

Maximum: The maximum detected concentration of the ecological contaminants of potential concern (ECPC) when the sample size is ≤ 3, and the lesser of the maximum detected concentration or the 95th percent upper confidence limit (UCL) when the sample size is ≥ 4.

Average: Average of detected concentrations. If the average is greater than the maximum exposure point concentration (EPC), the maximum EPC was selected.

Concentration of a Contaminant in a Food Item (T_N):

$$\text{Food Contaminant Concentration (mg/kg)} = BAF \times \text{Soil Contaminant or Prey Item Concentration (mg/kg)}$$

where

BAF = Bioaccumulation Factor or mg/kg fresh weight tissue over mg/kg dry weight soil for invertebrates and plants, and mg/kg fresh weight tissue over mg/kg fresh weight food for small mammals and small birds.

Potential Dietary Exposure (PDE):

$$PDE = \frac{[P_1 \times T_1 + P_2 \times T_2 + \ldots + P_N \times T_N + \text{soil exposure}] \times IR_{Diet} \times SFF \times ED}{BW}$$

where

PDE = Potential Dietary Exposure (mg/kgBW-day),
P_N = percent of diet composed of food item N,
T_N = tissue concentration in food item N (mg/kg),
IR_{Diet} = food ingestion rate of receptor (kg of food or dietary item per day),
BW = body weight (kg) of receptor,
SFF = Site Foraging Frequency (site area [acres] divided by home range [acres]). assumed to be equal to 1 for lethal exposure scenario, and
ED = Exposure Duration (fraction of year species is expected to occur onsite).

Soil Exposure:

$$\text{Soil Exposure (mg/kg)} = (\text{\% of Diet as Soil}) \times \text{Soil Contaminant Concentration (mg/kg)}$$

Prediction of Contaminant Exposures Related to Surface Water and Sediment

Description: Estimates the amount of a contaminant ingested and accumulated by a species resulting from ingestion of surface water, incidental ingestion of sediment and ingestion of contaminated aquatic food items.

Contaminant Concentration: Same as described above for soil.

See notes at end of table.

Table 6-3 (Continued)
Model for Prediction of Contaminant Exposures for Representative Wildlife Species

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Prediction of Contaminant Exposures Related to Surface Water and Sediment

Contaminant Concentration in Aquatic Prey Tissue (mg/kg):

$$\text{Aquatic Prey Contaminant Concentration (mg/kg)} = [\text{BAF} \times \text{Sediment Contaminant Concentration (mg/kg)}] + [\text{BCF} \times \text{Surface Water Contaminant Concentration (mg/l)}]$$

where

BCF = Bioconcentration Factor (mg/kg of contaminant in food item per mg/ℓ of contaminant in water). Only BCFs greater than 300 were considered as per USEPA, 1989f.
BAF = Bioaccumulation Factor (see note above).

Sediment Exposure:

$$\text{Sediment Contaminant Exposure (mg/day)} = \text{\% of Diet as Sediment} \times IR_{diet}\ \text{(kg/day)} \times \text{Sediment Contaminant Concentration (mg/kg)}$$

Surface Water Exposure:

$$\text{Surface Water Contaminant Exposure (mg/day)} = \text{Surface Water Contaminant Concentration (mg/l)} \times \text{Water Ingestion Rate (l/day)}$$

Aquatic Prey Exposure:

$$\text{Aquatic Prey Exposure (mg/day)} = \text{\% Diet as Aquatic Prey} \times IR_{diet}\ \text{(kg/day)} \times \text{Aquatic Prey Contaminant Concentration (mg/kg)}$$

where

IR_{diet} = food ingestion rate of receptor (kg of food per day).

Total Exposure Related to Surface Water and Sediment:

$$\text{Potential Dietary Exposure (mg/kg)} = \frac{\text{Aquatic Prey Exposure (mg/kg)} + \text{Surface Water Exposure (mg/kg)} + \text{Sediment Exposure (mg/kg)}}{BW}$$

where BW = body weight (kg) of receptor.

Notes:
mg/kg = milligrams per kilogram.
mg/kgBW-day = milligrams per kilogram body weight per day.
kg = kilogram.
% = percent.
mg/ℓ = milligrams per liter.
kg/day = kilogram per day.
ℓ/day = liter per day.

Table 6-4
Estimation of Bioaccumulation and Bioconcentration Factors

Baseline Risk Assessment
Operable Unit 2
Nas Cecil Field, Jacksonville, Florida

Receptor Group	Nature of Approach	General Approach
Terrestrial Surface Soil		
Plants Unit: mg/kg wet tissue per mg/kg dry soil	Literature Values	When available, literature values were used to estimate plant BAFs.
	SAR	When literature values were unavailable, plant BAFs for semivolatile organic compounds and pesticides were calculated using a regression equation based on the uptake of organic contaminants into plant tissue from Travis and Arms (1988).[1] Log K_{ow}s of the following classes of compounds were averaged to provide one BAF for that compound class: PAHs, phthalates, phenols, and furans.
	Extrapolation and Empirical Data	When literature values were unavailable, plant BAFs for inorganic compounds were obtained from Baes and others (1984).[2]
	Assumption	It was assumed that transfer of volatile organic compounds into plant tissue does not occur.
Terrestrial Invertebrates Unit: mg/kg wet tissue per mg/kg dry soil	Site-specific Data	BAFs for invertebrates were calculated based on tissue concentrations of worms exposed to OU 2 soil.
	Literature Values	When site-specific data were unavailable, literature values were used to estimate BAFs for invertebrates.
	Assumption	Earthworm data were used to represent all invertebrates.
	Empirical Data and Assumption	When site-specific data were unavailable, a single BAF for PAHs was calculated using data presented in Beyer (1990); dry weight was converted to wet weight assuming earthworms are 80 percent water.
	Assumption	It was assumed that soil invertebrates do not bioaccumulate volatile organic compounds.
Small Mammals Unit: mg/kg wet tissue per mg/kg wet food	Literature Values	When available, literature values were used to estimate BAFs for small mammals.
	SAR	When literature values were unavailable for semivolatile organic compounds, BAFs for small mammals were estimated using a regression equation based on the uptake of organic contaminants into beef tissue from Travis and Arms (1988)[3]. Log K_{ow}s ≥ 5 of the following classes of compounds were averaged to provide one BAF for that compound class: PAHs, phthalates, phenols, and furans.
	Extrapolation/ Empirical Data	When literature values were unavailable, BAFs for small mammals for inorganics were derived from ingestion-to-beef biotransfer factors (BTFs) presented in Baes and others (1984)[4].
	Assumption	It was assumed that small mammals do not bioaccumulate volatile organic compounds.

See notes at end of table.

Table 6-4 (Continued)
Estimation of Bioaccumulation and Bioconcentration Factors

Baseline Risk Assessment
Operable Unit 2
Nas Cecil Field, Jacksonville, Florida

Receptor Group	Nature of Approach	General Approach
Small Birds Unit: mg/kg wet tissue per mg/kg wet food	Literature Values	When available, literature values were used to estimate BAFs for small birds.
	Assumption	BAFs not were obtained for volatile and semivolatile organic compounds or for many inorganic compounds as there is little bioaccumulation data available for birds.
Semi-Terrestrial and Aquatic Media		
Surface Water Unit: mg/kg tissue per mg/ℓ water	Empirical Data and Conservative Assumption	Analytes with BCFs <300 were not considered in the surface water ingestion model. Cadmium and manganese were the only surface water ECPCs with a literature-based BCF >300 (USEPA, 1994d; USEPA, 1980).
Sediment Unit: mg/kg wet tissue per mg/kg wet sediment	Literature Values	When available, literature values were used to estimate BAFs for macroinvertebrates for 4,4'-DDT, 4,4'-DDE, 4,4'-DDD, PCBs, and mercury.
	Assumption	Based on field observations, few if any fish are expected to occur in Site 5 drainage ditch or wetland surface water; therefore, sediment BAFs are based on macroinvertebrate bioaccumulation literature.
	Assumption	It was assumed that bioaccumulation of volatile organic compounds does not occur. Little to no literature values exist for sediment to biota accumulation; therefore, bioaccumulation of semivolatile organic compounds and most inorganic compounds were not considered in the sediment ingestion model.

[1] Plant BAFs calculated using the following Travis and Arms (1988) regression:
log BAF = 1.588 to 0.578 $\log K_{ow}$.

[2] BAFs derived from Baes and others (1984). Values are based on analysis of literature references, correlations with other chemical and physical parameters, elemental systematics, or comparisons of observed and predicted elemental concentrations in vegetative and reproductive plant material and soil. Data are based on dry weight and were converted to a fresh weight basis assuming that plants are 80 percent water. This is generally consistent with the water content of berries (82 to 87 percent water) and leafy vegetables (87 to 95 percent water), presented in Suter (1993). Grains contain a much lower percentage of water (approximately 10 percent) and, therefore, this assumption likely overestimates exposure to graminivores.

[3] Small mammal BAFs calculated using the following Travis and Arms (1988) regression:
log BTF = $\log K_{ow}$ - 7.6
where BTF = biotransfer factor (mg/kg tissue divided by mg chemical ingested per day).

[4] BTFs were converted to a BAF (mg/kg tissue divided by mg/kg food) by multiplying by a food ingestion rate of 12 kg (dry weight) per day (average intake for lactating and non-lactating cattle reported in Travis and Arms, 1988).

Notes:

mg/kg = milligrams per kilogram.
BAFs = bioaccumulation factors.
SAR = Structural Analysis Relationship.
PAHs = polynuclear aromatic hydrocarbons
BCFs = Bioconcentration Factors
ECPCs = ecological contaminants of potential concern.
USEPA = U.S. Environmental Protection Agency.
DDT = dichlorodiphenyltrichloroethane.
DDE = dichlorodiphenyldichloroethane.
DDD = dichlorodiphenyldichloroethene.
PCBs = polychlorinated biphenyls.

To calculate the concentration of ECPCs in aquatic prey, several assumptions were made. Because the contaminants in surface water all have bioaccumulation factor (BCFs) less than 300 (Appendix K), an assumption was made that bioconcentration from water to biota was generally insignificant (USEPA, 1989f). Bioconcentration from surface water by aquatic organisms was considered to be significant only when literature BCFs were greater than 300 (i.e., for manganese and cadmium). Bioaccumulation of hydrophobic organics and mercury from sediment to biota were estimated based on literature-reported BAFs, which are the reported ratio of the ECPC in an aquatic invertebrate to the concentration in sediment (Appendix K).

6.1.4 **Ecological Effects Assessment** The ecological effects assessment describes the potential adverse effects to ecological receptors associated with the identified ECPCs and reflects the type of assessment endpoints selected. The methods used for identifying and characterizing ecological effects for ECPCs in surface soil, surface water, sediment, and groundwater are described in the following subsections.

6.1.4.1 **Surface Soil** The measures of adverse ecological effects for terrestrial wildlife, terrestrial plants, and soil invertebrates are discussed separately. Potential adverse ecological effects for wildlife are estimated for each ECPC based on available literature information, whereas adverse effects for terrestrial invertebrates and plants are directly measured for the entire mixture of ECPCs by the use of toxicity testing.

Terrestrial and Wetland Wildlife. Reference Toxicity Values (RTVs) were determined for each ECPC for avian and mammalian receptors. The RTV relates the dose of a respective ECPC in an oral exposure with an adverse effect. For each ECPC identified and each representative wildlife species selected, two RTVs are identified. A lethal RTV represents the threshold for lethal effects and is based on oral LD_{50} (oral dose lethal to 50 percent of a test population). The lethal RTV is one-fifth of the lowest reported LD_{50} for the most closely related test species. One fifth of an oral LD_{50} value is considered to be protective of lethal effects for 99.9 percent of individuals in a test population (USEPA, 1986c). An assumption was made that the value represented by one fifth of an oral LD_{50} would be protective of 99.9 percent of the individuals within the terrestrial wildlife populations at OU 2 and this represents a level of acceptable risk.

A sublethal RTV is also identified that represents a threshold body weight-normalized dose for sublethal effects. Sublethal effects are defined as those that impair or prevent reproduction, growth, or survival. The sublethal RTV reflects the assessment endpoint chosen as the basis for establishing risk.

The RTVs are assumed to be a measure of the assessment endpoints for protection of the survival, growth, and reproduction of terrestrial wildlife populations. RTVs were derived separately for avian and mammalian species.

If neither lethal nor sub-lethal toxicity information were available for an ECPC, it was not possible to identify RTVs and risks associated with the predicted exposure for the respective ECPC were not quantitatively evaluated. Wildlife RTVs are presented in Appendix K.

Terrestrial Plants and Invertebrates. The toxicity of surface soil at Sites 5 and 17 was measured by use of two soil laboratory toxicity tests. The toxicity of the surface soil samples was evaluated by use of a subacute toxicity test with

earthworms (*Eisenia foetida*) and a seed germination toxicity test with lettuce seed (*Lactuca sativa*). Protocols used in the 14-day subacute toxicity test with earthworms and the seed germination toxicity test are included in Appendix J. The methods described in the earthworm and seed germination protocols generally meet the standard procedures described in the protocol for short-term toxicity screening of hazardous waste site soil (Green and others 1989).

Bioaccumulation of contaminants in earthworms was estimated by evaluating the ratio of the contaminant concentration in earthworm tissue to the concentration in soil. For the purpose of estimating bioaccumulation, worms were obtained following the 14-day sub-acute study and were analyzed for ECPCs (see Appendix J and K).

6.1.4.2 Surface Water and Sediment The measures of adverse ecological effects for wildlife and aquatic receptors are discussed separately. Potential adverse ecological effects for terrestrial and wetland wildlife are predicted for each ECPC based on available literature information, whereas adverse effects for aquatic life are directly measured for the entire mixture of ECPCs.

Terrestrial and Wetland Wildlife. Lethal and sublethal RTVs were identified for each ECPC in sediment and surface water for the representative wildlife species, as described in subsection 6.1.4.1.

Aquatic Receptors. Potential adverse ecological effects associated with ECPCs in Site 5 drainage ditch sediment were evaluated through toxicity testing of sediment. Effects associated with ECPCs in surface water and sediment were also evaluated based on the results of the quantitative sampling and analyses of benthic macroinvertebrate community structure and function. When neither toxicity nor macroinvertebrate data were available, adverse effects associated with ECPCs in surface water were also evaluated by comparing the ECPC concentrations in surface water, groundwater, and sediment samples with available standards and reported toxicity benchmark values (TBVs).

Sediment samples for toxicity testing were collected from five locations at the Site 5 drainage ditch (5-TOX-1, 5-TOX-2, 5-TOX-3, 5-TOX-4, and 5-TOX-5). The samples were collected concurrently with sediment samples for TCL and TAL analyses (5-SD-1, 5-SD-2, 5-SD-3, 5-SD-4, and 5-SD-5) and represent split samples. The results of the chemical analyses of the sediment can, therefore, be used to establish contaminant exposure concentrations and provide the means to interpret responses in the bioassays.

The toxicity of Site 5 sediment was evaluated by testing with a short-term chronic test using the water flea, *Ceriodaphnia dubia*, and an acute test using the amphipod *Hyallela azteca*. Appendix J contains the protocols used in the *C. dubia* test and the *H. azteca* test. The methods described in the daphnid protocol are based on USEPA Method 1002.0 (1989a). The methods described in the amphipod protocol meet the standard procedures described in the American Society of Testing Materials (ASTM) guidelines for conducting sediment toxicity tests with freshwater invertebrates (ASTM, 1991).

Section 5.2 describes the sampling of the aquatic macroinvertebrate community at three drainage ditch stations adjacent to Site 5 (5-BIO-4, 5-BIO-3, and 5-BIO-2), and one upgradient station (5-BIO-5). The sampling stations coincide with the locations for the chemical analyses of surface water, sediment, and sediment

toxicity testing samples, allowing for comparison of the results of the chemical analyses of surface water and sediment with the measurements of the macro-invertebrate community structure and function and the results of the laboratory toxicity tests.

When neither toxicity testing nor macroinvertebrate data were available, toxicity benchmarks for each of the ECPCs in surface water and sediment were identified. State of Florida Surface Water Quality Standards (Florida Legislature, 1993) and Federal Ambient Water Quality Criteria (AWQC) (USEPA, 1991g) were considered. Additional aquatic toxicity information for the ECPCs was obtained from searches of the USEPA Aquatic Information Retrieval (AQUIRE) database. Information on the AQUIRE database is included in Appendix K. Sediment toxicity benchmarks selected for comparison to detected sediment concentrations included National Oceanic and Atmospheric Administration (NoAA) Effects Range-Low (ER-L) and Effects Range-Median (ER-M) sediment guidelines (Long and others, 1993), USEPA Sediment Quality Guidelines (SQG) based on equilibrium partitioning (USEPA, 1988c), and Ontario Ministry of the Environment (OME) Lowest Effect Level (LEL) provincial sediment quality guidelines (Persaud and others, 1992).

6.1.4.3 **Groundwater** Potential adverse effects associated with Site 5 groundwater ECPCs are available in the form of laboratory aquatic toxicity testing results for individual ECPCs. Aquatic toxicity information for the ECPCs was obtained from searches of the USEPA AQUIRE database. Information on the AQUIRE database is included in Appendix K. Additional toxicity benchmarks used to assess the potential for adverse effects include the State of Florida Surface Water Quality Standards (Florida Legislature, 1993c) and USEPA AWQC (USEPA, 1991g). Because a contaminant migration pathway from Site 17 groundwater to surficial media has not been identified, this ERA does not evaluate Site 17 groundwater.

Diluted groundwater is appropriately selected for evaluation in the baseline risk assessment; these values reflect true bioavailability of analytes to wildlife and are conservative estimates of risk. This risk assessment evaluates, for comparative purposes, the potential for adverse effects from both diluted and undiluted groundwater concentrations of ECPCs at Site 5. However, assumption of risk from exposure of wildlife to undiluted groundwater concentrations describes the absolute worst-case scenario and does not represent likely exposure conditions.

6.1.5 **Risk Characterization** The following paragraphs describe how risks were characterized for ecological receptors. Potential adverse ecological effects were characterized for terrestrial and wetland wildlife, terrestrial plants, and soil invertebrates resulting from exposure to ECPCs in surface soil, surface water, sediment, and groundwater. Risks are characterized for aquatic receptors for exposures resulting from ECPCs in surface water, sediment, and groundwater (Site 5 only).

6.1.5.1 **Surface Soil** Risks are characterized for Sites 5 and 17 for terrestrial and wetland wildlife, terrestrial plants, and soil invertebrates according the procedures outlined in the following paragraphs.

Terrestrial Wildlife. Risks for the representative wildlife species associated with ingestion of surface soil and food are quantitatively evaluated using HQs, which are calculated for each ECPC by dividing the PDE by the RTV. HIs are determined for each representative wildlife species by summing the HQs for all

ECPCs. When the estimated PDE is less than the RTV (i.e., the HQ < 1), the contaminant exposure is assumed to fall below the range considered to be associated with adverse effects for growth, reproduction, and survival (of the individual organism) and no risks to wildlife populations are assumed. When the HQ or HI is greater than 1, a discussion of the ecological significance is included and risk is assumed. When HIs are greater than 1, an evaluation of the HQs comprising the HI was completed.

This hazard ranking scheme evaluates potential ecological effects to individual organisms and does not evaluate potential population-wide effects. Contaminants may cause population reductions by affecting birth and mortality rates, immigration, and emigration (USEPA, 1989f). In many circumstances, lethal or sub-lethal effects may occur to individual organisms with little population or community level impacts; however, as the number of individual organisms experiencing toxic effects increases, the probability that population effects will occur also increases. The number of affected individuals in a population presumably increase with increasing HQ or HI values; therefore, the likelihood of population level effects occurring is generally expected to increase with higher HQ or HI values.

Terrestrial Plants and Soil Invertebrates. Risks for terrestrial plants and soil invertebrates are characterized based on the responses of the test population observed in the toxicity testing. The analytical surface soil and toxicity testing samples were collected concurrently and split for the two separate analyses; therefore, the analytical results for the surface soil samples can be used to interpret the contaminant exposures for the test species (earthworms and lettuce seeds) and the responses of the test population. If adverse effects were observed in either of the bioassays, simple linear regressions were completed to determine if a correlation(s) exists between the concentration of an analyte and the adverse response measured in the bioassay. Further qualitative consideration and discussion of the weight of evidence was also completed to characterize risk to these receptors.

6.1.5.2 Surface Water and Sediment Risks associated with exposures to ECPCs in surface water and sediment at Site 5 were characterized separately for aquatic receptors and wildlife.

Aquatic Receptors. Risks for aquatic receptors were characterized for each sampling location within the Site 5 drainage ditch and wetland based on a weight-of-evidence evaluation of the following factors:

- presence or absence of analytes in surface water and sediment samples;
- concentrations of analytes measured in surface water and sediment samples;
- responses of *H. azteca* and *C. dubia* in the sediment laboratory toxicity tests;
- measurements of the aquatic macroinvertebrate community structure and function;
- concentrations of ECPCs in surface water relative to reported toxicity of the ECPC in laboratory tests (AQUIRE information, USEPA, 1994c),

Federal AWQC (USEPA, 1991g), and State of Florida Surface Water Quality Standards (Florida Legislature, 1993c);

- concentrations of ECPCs in sediment relative to NoAA ER-L and ER-M sediment guidelines (Long and others, 1993), USEPA sediment quality guidelines based on equilibrium partitioning (USEPA, 1988c), and OME LEL provincial sediment quality guidelines (Persaud and others, 1992); and

- physical and chemical factors in the aquatic environment (other than chemical contamination).

The sediment toxicity testing and chemical analysis samples were collected concurrently and split for the two separate analyses; therefore, the chemical analyses results for the sediment samples can be used to interpret the contaminant exposures for the test species (*H. azteca* and *C. dubia*) and the responses of the test population. If there were negative results in either of the bioassays, simple linear regressions were completed to determine if a correlation existed between the concentration of an analyte in sediment samples and the adverse response in the toxicity test.

Terrestrial and Wetland Wildlife. Risks for the representative wildlife species associated with ingestion of surface water, potentially contaminated aquatic life, and sediment is quantitatively evaluated using HQs, which are calculated for each ECPC by dividing the estimated contaminant exposure concentration by the RTV. HIs are determined for each representative wildlife species by summing the HQs for all ECPCs. When the estimated exposure concentration of an individual ECPC is less than the respective RTV (i.e., the HQ < 1), the contaminant exposure is assumed to fall below the range considered to be associated with adverse effects for growth, reproduction, and survival (of the individual organism) and no risks to wildlife populations are assumed. When the ratio is greater than 1 (i.e., HQ or HI > 1), a discussion of the ecological significance is included and risk is assumed. When HIs are greater than 1, an evaluation of the HQs comprising the HI is completed.

6.1.5.3 Groundwater Risks for aquatic life associated with exposures to ECPCs in diluted groundwater from Site 5 as it discharges to the Site 5 wetland and drainage ditch were evaluated. Predicted concentrations of the ECPCs in the Site 5 wetland (resulting from discharge of groundwater) were compared to State of Florida Surface Water Quality Standards and Federal AWQC. Where exposure concentrations exceed the standards, or standards are unavailable, risks were characterized based on comparisons of the exposure concentrations with dose-response information from AQUIRE (Appendix K).

Comparisons of undiluted groundwater ECPC concentrations to benchmark toxicity values are also presented; however, these values represent unrealistic risks and are, therefore, highly conservative.

6.1.6 Uncertainty Analyses Uncertainties in the ERA process are identified and discussed for Sites 5 and 17 in Subsections 6.2.5 and 6.3.5, respectively. The emphasis of the uncertainty analyses is to discuss the assumptions and data gaps of the ERA process that may influence the risk characterization results and assessment conclusions. General uncertainties inherent in the risk assessment process and in the OU 2 ERA are included in Table 6-5.

Table 6-5
Potential Sources of Uncertainty in Ecological Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Potential source	Direction of Effect	Justification
Uncertainties Associated with ECPC Selection Process		
Degradation of chemicals not considered	Overestimate	Risk estimates are based on recent chemical concentrations. Concentrations will tend to decrease over time from degradation and the formation of daughter products.
No evaluation of TIC data	Underestimate	Risk was not calculated for potential exposure to these compounds.
Screening of sediment ECPCs	Underestimate	Several of the Region IV sediment screening values are based on laboratory CRQLs, not sediment toxicity data. Because some ECPCs may have been screened out of the risk assessment because their concentrations are less than the sediment screening value, this may result in an underestimate of risk.
Evaluation of June 1993 surface water data with August 1993 sediment data	Unknown	At the site 5 drainage ditch, sediment locations 1, 5, 6, and 7 were resampled in August 1993 for all CLP and toxicity analyses due to missed laboratory hold times. However, surface water samples were not recollected. There is uncertainty associated with the evaluation of surface water and sediment data not collected concurrently.
Uncertainties Associated with Exposure Assessment		
Food chain assumed to occur at site	Unknown	Occurrence of the food chain used in the models at the sites is unknown.
Food chain model exposure parameter assumptions	Unknown	Some exposure parameters are from the literature and some are estimated. Efforts were made to select exposure parameters representative of a variety of species or feeding guilds, so that exposure estimates would be representative of more than a single species.
Uncertain occurrence of receptors at sites	Unknown	Actual occurrence at the sites by receptors considered in the food chain models is uncertain.
Assumption that receptor species will spend equal time at all habitats within home range	Unknown	Organisms will spend varying amounts of time in different habitats, thus affecting their overall exposures.
Extrapolation from test species to representative wildlife species	Unknown	Species differ with respect to absorption, metabolism, distribution, and excretion of chemicals. The magnitude and direction of the difference will vary with each chemical.

See notes at end of table

Table 6-5 (Continued)
Potential Sources of Uncertainty in Ecological Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Potential source	Direction of Effect	Justification
Consumption of contaminated prey	Unknown	Toxicity to prey receptors may result in sickness or mortality. Fewer prey items would be available for predators. Predators may stop foraging in areas with reduced prey populations, or discriminate against, or, conversely, select contaminated prey.
Limited evaluation of dermal or inhalation exposure pathways	Underestimate	The dermal and inhalation exposure pathways are generally considered insignificant due to protective fur, feathers, chitinous exoskeletons, and the low concentration of contaminants under natural atmospheric conditions. However, under certain conditions, these exposure pathways may occur.
Maximum exposure scenarios	Overestimate	It is unlikely any receptor would be exposed concurrently to maximum concentrations of all ECPCs.
Missing BAF or RTV values	Underestimate	BAFs and RTVs were not available in the literature for many compounds and receptor classes (i.e., small birds); therefore, these gaps result in an underestimate of the total risk represented by the summary HI.
BAF estimation	Unknown	As many literature values were not available for some species and analytes, alternate BAFs were derived using other assumptions or regressions (Table 6-4 lists the rationale for the generation of alternate BAFs). There is additional uncertainty related to the averaging of log K_{ow} values for certain classes of semivolatile organic compounds prior to calculating BAFs using the Travis and Arms (1988) regression equations, resulting in an overestimate of risk to some compounds and an underestimate of risk to other compounds.
Continuous uptake and bioaccumulation of ECPCs by soil biota	Unknown	Tissue and organ responses to ECPC uptake were represented by a linear function, that is an oversimplification of a more complex system (i.e., trophic states and lipid concentrations may affect bioaccumulation).
Bioaccumulation of ECPCs in leafy portions of plants	Overestimate	Ryan and others (1984) states that compounds with log K_{ow}s > 5 are unavailable to plants due to soil sorption. Compounds with log K_{ow}s > 5 will be taken into the roots of plants, but are not easily transported into the leafy parts of plants (Briggs and others, 1982; 1983). The surface soil and ingestion exposure model overestimates ECPC exposure via plant ingestion to those receptors that only eat the leafy portions of plants.

See notes at end of table

Table 6-5 (Continued)
Potential Sources of Uncertainty in Ecological Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Potential source	Direction of Effect	Justification
Bioconcentration of surface water ECPCs	Underestimate	The surface water and sediment exposure model may slightly underestimate the prediction of risk to aquatic receptors by not evaluating the bioconcentration of surface water ECPCs for compounds with BCFs <300.
Use of unfiltered surface water samples	Overestimate	Measurement of ECPC concentrations in unfiltered samples includes both dissolved and particulate fractions. The dissolved fraction is considered to be the biologically available component.
Relative uptake of inorganics by different plant species	Unknown	Estimated plant BAFs for certain inorganics were based on BAF data for leafy produce grown in sewage sludge. Variability in type of plant and substrate may make the chosen BAF values an overestimate or underestimate of actual uptake.
Uncertainties Associated with Effects		
Lack of toxicity information for reptile species	Unknown	Information is not available on the toxicity of contaminants to reptile species resulting from dietary or oral exposures. It is assumed that if mammals and birds are protected then reptiles should be protected also; therefore, reptiles were not evaluated in the risk assessment. However, reptiles may not be protected if they are more sensitive than mammals or birds.
Use of measurement endpoints	Overestimate	Although an attempt was made to have measurement endpoints reflect assessment endpoints, limited available ecotoxicological literature resulted in the selection of certain measurement endpoints that may overestimate assessment endpoints.
Lack of toxicity information for mammals or birds	Underestimate	Reference toxicity values for certain compounds and receptor groups were not available thereby underestimating the risk predicted by the summary HI.
Uncertainties Associated with Risk Characterization		
Risk evaluated for individual terrestrial receptors only	Overestimate	Effects on individual terrestrial organisms may occur with little population or community level effects. However, as the number of affected individuals increases, the likelihood of population-level effects increases.
Effect of decreased prey item populations on predatory receptors	Unknown	Adverse population effects to prey items may reduce the foraging population for predatory receptors, but may not necessarily adversely impact the population of predatory species.

See notes at end of table

Table 6-5 (Continued)
Potential Sources of Uncertainty in Ecological Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Potential source	Direction of Effect	Justification
Multiple conservative assumptions	Overestimate	Cumulative impact of multiple conservative assumptions yields high risk to ecological receptors, and may result in risk at background concentrations or the prediction of risks when there is no potential for adverse effects.
Summation of effects (HIs)	Unknown	The assumption that effects are additive ignores potential synergistic or antagonistic effects. It assumes similarity in mechanism of action, which is not the case for many substances. Compounds may induce toxic effects in different organs or systems.

Notes: ECPC = ecological contaminant of potential concern.
TIC = tentatively identified compounds.
CRQLs = contract required quantitation limits.
CLP = contract laboratory program.
BAF = bioaccumulation factor.
BCF = bioconcentration factor.
RTVs = reference toxicity values.
HIs = hazard indices.

6.2 ECOLOGICAL ASSESSMENT FOR SITE 5. The following subsections describe the results for the ERA at Site 5. The ERA was completed according to the methodology described in Section 6.1. The ERA includes selection of ECPCs (Subsection 6.2.1), exposure assessment (Subsection 6.2.2), ecological effects assessment (Subsection 6.2.3), risk characterization (Subsection 6.2.4), and uncertainty analyses (Subsection 6.2.5). Each of these sections discusses surface soil, surface water, sediment, and groundwater.

6.2.1 Selection of Ecological Contaminants of Potential Concern (ECPCs) Analytes were determined to be an ECPC according to the process described in Subsection 6.1.2 and illustrated in Figure 6-3. ECPCs for surface soil, surface water, sediment, and groundwater at Site 5 were selected independently. ECPCs were selected separately for aquatic life and wildlife for surface water and sediment.

Thirty-one surface soil samples were collected in June 1993 at Site 5 (CEF-5-SS1 through CEF-5-SS31) in an area approximately 2.8 acres in size (Figure 3-1). All 31 samples were included in the surface soil summary. Seven surface water and sediment samples were collected at Site 5 in June 1993. Five samples were collected in the Site 5 drainage ditch (CEF-5-SW1/CEF-5-SD1 through CEF-5-SW5/CEF-5-SD5) (Figure 3-7), and two surface water and sediment samples were collected in the approximately 1.8 acres of vegetated wetland east of Site 5 (CEF-5-SW6/CEF-5-SD6 and CEF-5-SW7/CEF-5-SD7) (Figure 3-7). Station 5-5 was located in the drainage ditch upstream of Site 5 and west of the perimeter road; samples from this station were used to represent background conditions for both the drainage ditch and wetland areas. Stations 1 through 4 were summarized to represent exposure conditions in the drainage ditch downstream of Site 5. Due to missed laboratory holding times, four of the seven sediment samples, including Stations 1, 5, 6, and 7, were resampled in August 1993; samples collected in August from these stations were evaluated in this ERA.

6.2.1.1 Surface Soil Surface soil analytical results for 53 compounds detected at Site 5 are summarized in Table 6-6. With the exception of butylbenzylphthalate, all organic analytes were retained as ECPCs. ECPCs include 5 VOCs, 21 SVOCs (primarily PAHs and phthalates), 6 pesticides, and Aroclor-1260. Butylbenzylphthalate was not retained as an ECPC because it was detected in only 1 out of 31 samples (less than 5 percent) and was not detected in any other media. Eleven of the 19 inorganic analytes detected in Site 5 surface soil were retained as ECPCs; 8 were not retained because the maximum detected concentration was less than 2 times the average background concentration, or the contaminant is an essential nutrient. In addition, TPH was measured in all 31 surface soil samples from Site 5, at concentrations ranging from 12 mg/kg (CF5-SS-7) to 28,000 mg/kg (CF5-SS-4) (Table 6-7).

6.2.1.2 Surface Water Surface water analytical results for Site 5 are summarized in Tables 6-8, 6-9, and 6-10 for the upstream, drainage ditch, and wetland locations, respectively.

Upstream. Acetone and 10 inorganic analytes were detected in upstream drainage ditch surface water (Table 6-8). The detected concentration listed in Table 6-8 multiplied by 2 was used for screening surface water inorganic ECPCs in the drainage ditch and wetland locations. Chromium was the only analyte detected in the upstream sample (3.3 $\mu g/\ell$) that was not present in any drainage or wetland samples; lead was detected at 1.2 $\mu g/\ell$ in the upstream location, but was not detected in wetland surface water.

Table 6-6
Selection of Ecological Contaminants of Potential Concern for Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Background Concentration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assessment Mean[5]	95th% UCL[6]	Maximum[7]	Average[8]
Volatile Organic Compounds (µg/kg)										
Acetone	4/31	11 to 2,000	2 to 33	11	NA	Yes	41	25	25	[9] 25
2-Butanone	3/31	10 to 2,000	3 to 9	6	NA	Yes	38	16	9	[9] 9
2-Hexanone	1/31	10 to 2,000	2	2	NA	Yes	38	16	2	[9] 2
Methylene chloride	5/31	5 to 980	3 to 6	4	NA	Yes	20	10	6	[9] 6
Toluene	1/31	5 to 980	6	6	NA	Yes	19	8	6	[9] 6
Semivolatile Organic Compounds (µg/kg)										
Acenaphthene	5/31	340 to 10,000	43 to 170	85	NA	Yes	338	337	170	[9] 170
Acenaphthylene	4/31	340 to 10,000	25 to 35	[10] 53	NA	Yes	338	369	35	[9] 35
Anthracene	8/31	340 to 10,000	28 to 240	138	NA	Yes	340	347	240	[9] 240
Benzo(a)anthracene	9/31	340 to 10,000	57 to 1,200	470	NA	Yes	434	483	483	434
Benzo(a)pyrene	12/31	340 to 10,000	25 to 1,000	311	NA	Yes	400	483	483	400
Benzo(b)fluoranthene	15/31	340 to 10,000	20 to 1,800	481	NA	Yes	492	773	773	492
Benzo(g,h,i)perylene	13/31	340 to 10,000	27 to 650	208	NA	Yes	361	412	412	361
Benzo (k) fluoranthene	12/31	340 to 10,000	22 to 700	217	NA	Yes	364	424	424	364
Butylbenzylphthalate	1/31	340 to 10,000	110	[10] 150	NA	No [11]				
Carbazole	4/31	340 to 10,000	87 to 170	128	NA	Yes	347	317	170	[9] 170
Chrysene	11/31	340 to 10,000	33 to 1,200	368	NA	Yes	417	483	483	417

See notes at end of table.

Table 6-6 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Background Concentration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assessment Mean[5]	95th % UCL[6]	Maximum[7]	Average[8]
Semivolatile Organic Compounds (μg/kg)–continued										
Dibenz(a,h)-anthracene	10/31	340 to 10,000	30 to 120	76	NA	Yes	317	337	120	[9] 120
Dibenzofuran	3/31	340 to 10,000	21 to 58	38	NA	Yes	341	358	58	[9] 58
Diethylphthalate	7/31	340 to 10,000	25 to 140	59	NA	Yes	324	369	140	[9] 140
bis(2-Ethylhexyl)-phthalate	3/31	340 to 10,000	20 to 1,200	418	NA	Yes	223	284	284	223
Fluoranthene	12/31	340 to 10,000	22 to 1,900	636	NA	Yes	526	812	812	526
Fluorene	5/31	340 to 10,000	36 to 120	71	NA	Yes	336	340	120	[9] 120
Indeno (1,2,3-cd)-pyrene	13/31	340 to 10,000	24 to 500	179	NA	Yes	348	399	399	348
2-Methylnaphthalene	1/31	340 to 10,000	22	[10] 114	NA	Yes	353	327	22	[9] 22
Naphthalene	3/31	340 to 10,000	22 to 40	[10] 59	NA	Yes	343	365	40	[9] 40
Phenanthrene	9/31	340 to 10,000	52 to 940	395	NA	Yes	412	455	455	412
Pyrene	12/31	340 to 10,000	32 to 1,500	483	NA	Yes	467	626	626	467
Pesticides and PCBs (μg/kg)										
4,4-DDD	3/31	0.6 to 30	2.2 to 8.2	5.5	NA	Yes	3.1	4.1	4.1	3.1
4,4-DDE	11/31	1 to 16	0.19 to 20	6.54	NA	Yes	4.1	6.62	6.62	4.1
4,4-DDT	7/22	0.3 to 20	2.1 to 48	17.2	NA	Yes	7	17.1	17 1	7
Aroclor-1260	14/31	20 to 160	6.3 to 2,200	436	NA	Yes	208	392	392	208

See notes at end of table

Table 6-6 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/ CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Background Concentration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assessment Mean[5]	95th % UCL[6]	Maximum[7]	Average[8]
Pesticides and PCBs (µg/kg) (Cont.)										
alpha-Chlordane	2/31	0.2 to 8.2	0.47 to 1.7	1.09	NA	Yes	1.15	1.9	1.7	1.15
gamma-Chlordane	3/31	1.8 to 8.2	0.29 to 1.5	0.96	NA	Yes	1.2	1.38	1.38	1.2
Dieldrin	3/31	0.5 to 16	0.26 to 2.7	1.25	NA	Yes	2.37	3.32	2.7	2.37
Inorganic Compounds (mg/kg)										
Aluminum	31/31	40	196 to 11,500	2,434	29,086	No[12]				
Arsenic	7/31	2	0.46 to 2.1	0.9	3.6	No[12]				
Barium	25/31	40	2.6 to 42.5	9.5	21	Yes	11.5	15.3	15.3	11.5
Beryllium	2/31	1	0.27 to 0.29	[10] 0.34	ND	Yes	0.49	0.51	0.29	[9] 0.29
Cadmium	2/31	1	0.76 to 0.81	0.72	ND	Yes	0.51	0.53	0.53	0.51
Calcium	31/31	1,000	131 to 125,000	19,791	ND	No[13]				
Chromium	17/31	2	2.5 to 14.4	6.4	31.2	No[12]				
Cobalt	11/31	10	1.5 to 3.7	2.3	ND	Yes	4	4.8	3.7	[9] 3.7
Copper	7/31	5	0.76 to 12.1	4.47	ND	Yes	2.94	3.46	3.46	2.94
Iron	31/31	20	62.7 to 4,150	811.9	8,060	No[12,13]				
Lead	31/31	1	1.2 to 111	18.4	15.6	Yes	18.4	33.1	33.1	18.4
Magnesium	17/31	1,000	77.1 to 4980	979.1	474	No[13]				
Manganese	22/31	3	2.9 to 75.3	18.9	17	Yes	13.8	27.4	27.4	13.8

See notes at end of table.

Table 6-6 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Background Concentration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assessment Mean[5]	95th % UCL[6]	Maximum[7]	Average[8]
Inorganic Compounds (mg/kg)–continued										
Mercury	1/31	0.1	0.16	0.16	ND	Yes	0.05	0.06	0.06	0.05
Nickel	3/31	8	1.6 to 13.6	6	7.2	Yes	4.2	4.6	4.6	4.2
Selenium	1/31	1	0.69	0.69	ND	Yes	0.51	0.51	0.69	0.51
Sodium	13/31	1,000	91.6 to 228	144.9	ND	No[13]				
Vanadium	31/31	10	1 to 8.9	3.5	34.2	No[12]				
Zinc	21/31	4	1.4 to 98.2	25.6	ND	Yes	18	38.5	38.5	18

[1] Frequency of detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detections, contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Background sample locations include: BSS01, BSS02, BSSO3, and BSSO4. Two times the background concentration is calculated for inorganics only.
[5] The Risk Assessment mean assigns a value of 1/2 the CRQL or CRDL to all non-detections.
[6] The 95th upper confidence limit (UCL) is calculated on the log-transformed Risk Assessment mean using the formula provided in the U.S. Environmental Protection Agency (USEPA) Region IV Supplemental Guidance (1991d).
[7] Maximum Exposure Point Concentrations (EPCs) were selected using the following criteria:
- when the sample size was ≤ 3, the maximum detected concentration was used, and
- when the sample size was ≥ 4, the lesser of the maximum detected concentration or the 95th percent UCL was selected.

[8] Average EPCs are equal to the Risk Assessment mean.
[9] When the Risk Assessment mean was greater than the maximum EPC, the maximum EPC was selected as the average EPC.
[10] The mean of detections is higher than the maximum detected concentration because a duplicate pair was averaged prior to mean calculation. This pair contained one detection and one non-detection, and the mean value is artificially elevated due to 1/2 the sample quantitation limit (SQL) for the non-detect.
[11] Butylbenzylphthalate was not included as a ecological contaminant of potential concern (ECPC) because it was detected in fewer than 5 percent of the samples, was not detected in any other media, and was only detected in one of two samples in a duplicate pair.
[12] Maximum analyte concentration is less than 2 times the average background concentration for inorganic compounds.
[13] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include: CF5SS1 through CF5SS31, including CF5SS10D, CF5SS20D, CF5SS30D, and CF5SS31D.
% = percent.
UCL = upper confidence limit.
μg/kg = micrograms per kilogram.
NA = not available or not applicable.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.
ND = not detected

Table 6-7
Summary of Site 5 Total Petroleum Hydrocarbon (TPH) and Total Organic Carbon (TOC) Data

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Medium	Sampling Location	TPH	TOC
Surface Soil (mg/kg)			
	CF5-SS-1	860	NA
	CF5-SS-2	51	NA
	CF5-SS-3	18	NA
	CF5-SS-4	28,000	NA
	CF5-SS-5	41	NA
	CF5-SS-6	17	NA
	CF5-SS-7	12	NA
	CF5-SS-8	51	NA
	CF5-SS-9	260	NA
	CF5-SS-10	74.5	NA
	CF5-SS-11	44	NA
	CF5-SS-12	25	NA
	CF5-SS-13	28	NA
	CF5-SS-14	54	NA
	CF5-SS-15	44	NA
	CF5-SS-16	1,800	NA
	CF5-SS-17	13	NA
	CF5-SS-18	280	NA
	CF5-SS-19	170	NA
	CF5-SS-20	605	NA
	CF5-SS-21	38	NA
	CF5-SS-22	27	NA
	CF5-SS-23	390	NA
	CF5-SS-24	13	NA

See notes at end of table

Table 6-7 (Continued)
Summary of Site 5 Total Petroleum Hydrocarbon (TPH) and Total Organic Carbon (TOC) Data

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Medium	Sampling Location	TPH	TOC
Surface Soil (mg/kg)			
	CF5-SS-25	1,800	NA
	CF5-SS-26	33	NA
	CF5-SS-27	860	NA
	CF5-SS-28	8,600	NA
	CF5-SS-29	16	NA
	CF5-SS-30	17	NA
	CF5-SS-31	30	NA
Sediment (mg/kg)			
	CF5-SD-1	1,450	17,100
	CF5-SD-2	170	6,410
	CF5-SD-3	550	13,900
	CF5-SD-4	717	97,600
	CF5-SD-5	23.3	3,970
	CF5-SD-6	40.1	33,200
	CF5-SD-7	42.9	108,000

Notes: mg/kg = milligrams per kilogram.
NA = not analyzed.

Table 6-8
Analytes Detected in Site 5 Upstream Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	CRQLs/CRDLs[1]	Detected Concentrations
Volatile Organic Compounds (μg/ℓ)		
Acetone	10	16
Inorganic Compounds (μg/ℓ)		
Aluminum	200	738
Barium	200	14.2
Calcium	5,000	2,470
Chromium	10	3.3
Iron	100	1,260
Lead	5	1.2
Magnesium	5,000	576
Manganese	15	9.2
Sodium	5,000	5,220
Zinc	20	40.7
Water Quality Parameters (mg/ℓ)		
Nitrate/nitrite	0.02	0.02
Total hardness	0	8.5
Total Kjeldahl nitrogen	0.04	0.88
Total nitrogen	0	0.9
Total phosphorous	0.01	0.08

[1] Contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.

Notes: Data are from sample location 5-SW5.
CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
μg/ℓ = micrograms per liter.
mg/ℓ = milligrams per liter.

Table 6-9
Selection of Ecological Contaminants of Potential Concern for Site 5 Drainage Ditch Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Chronic Water Quality Screening Value[4]	2 Times Average Upstream Concentration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations			
									Risk Assessment Mean[7]	95th % UCL[8]	Maximum[9]	Average[10]
Volatile Organic Compounds (µg/ℓ)												
Acetone	3/4	10	10 to 16	13	NA	NA	Yes	A/W	11	37	16	11
4-Methyl-2-pentanone	1/4	10	3	3	NA	NA	Yes	A/W	5	7	3	[11]3
Toluene	2/4	10	2	2	175	NA	Yes	W[12]	4	12	2	[11]2
Inorganic Compounds (µg/ℓ)												
Aluminum	4/4	200	149 to 2,320	973	[13] 87	1,476	Yes	A/W	973	2E+05	2,320	973
Barium	4/4	200	16.2 to 48.6	27.1	NA	28.4	Yes	A/W	27.1	71.5	48.6	27.1
Cadmium	1/4	5	0.19	0.19	[14] 0.4	ND	Yes	W[12]	1.92	1,720	0.19	[11]0.19
Calcium	4/4	5,000	2,880 to 8,020	5,700	NA	4,940	No[15]		5,700	13,905		
Iron	4/4	100	1,250 to 3,610	2,325	1,000	2,520	Yes	A/W	2,325	6,503	3,610	2,325
Lead	3/4	5	2.3 to 6.4	3.9	[14] 0.5	2.4	Yes	A/W	3.5	9.3	6.4	3.5
Magnesium	4/4	5,000	626 to 1400	950	NA	1,152	No[15]					
Manganese	4/4	15	8 to 35.5	15.4	NA	18.4	Yes	A/W	15.4	117	35.5	15.4
Sodium	4/4	5,000	4,640 to 6,310	5,358	NA	10,440	No[12,16]					
Vanadium	3/4	50	2.5 to 44.3	17.8	NA	ND	Yes	A/W	19.6	18,583	44.3	19.6
Zinc	3/4	20	14.9 to 38.7	26.9	[14] 30	81.4	No[16]					

See notes at end of table.

Table 6-9 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Drainage Ditch Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Chronic Water Quality Screening Value[4]	2 Times Average Upstream Concentration[5]	Contaminant of Ecological Concern?[6]	Exposure Point Concentrations			
								Risk Assessment Mean[7]	95th % UCL[8]	Maximum[9]	Average[10]
Water Quality Parameters (mg/ℓ)											
Nitrate/Nitrite	3/4	0.02	0.03 to 0.69	0.25	NA	0.04	NA				
Total Hardness	4/4	0	9.8 to 25.8	18.2	NA	17.0	NA				
Total Kjeldahl Nitrogen	4/4	0.04	1.25 to 1.86	1.59	NA	1.76	NA				
Total Nitrogen	4/4	0	1.28 to 2.55	1.78	NA	1.8	NA				
Total Phosphorous	4/4	0.01	0.12 to 0.23	0.17	NA	0.16	NA				

[1] Frequency of detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detects, contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] U.S. Environmental Protection Agency (USEPA) Region IV Waste Management Division Chronic Freshwater Quality Screening Values based on the Water Quality Standards Units Screening List (USEPA, 1992b).
[5] 5-SW5 was used as the upstream sample location. Two times the upstream concentration is calculated for inorganics only.
[6] A = ecological contaminant of potential concern (ECPC) for aquatic receptors.
W = ECPC for wildlife.
[7] The Risk Assessment mean assigns a value of 1/2 the CRQL/CRDL to all non-detections.
[8] The 95th upper confidence limit (UCL) is calculated on the log-transformed Risk Assessment Mean using the formula provided in the USEPA Region IV Supplemental Guidance (1991c).
[9] Maximum Exposure Point Concentrations (EPCs) were selected using the following criteria:
- when the sample size was ≤ 3, the maximum detected concentration was used, and
- when the sample size was ≥ 4, the lesser of the maximum detected concentration or the 95th percent UCL was selected.

[10] Average EPCs (for wildlife only) are equal to the Risk Assessment mean.
[11] When the Risk Assessment mean was greater than the maximum EPC, the maximum EPC was selected as the average EPC.
[12] Maximum analyte concentration is below the Region IV surface water screening value (USEPA, 1992b), therefore the analyte will not be considered as an aquatic ECPC.
[13] Criterion is based on an assumed pH of 6.5-9 (USEPA, 1988d).
[14] Although the site-specific hardness concentration was 18.2 milligrams per liter (mg/ℓ) as calcium carbonate ($CaCO_3$), the surface water criteria was calculated assuming a hardness concentration of 25 mg/ℓ as $CaCO_3$ as recommended in 57 FR 60848 (1992).
[15] Analyte is an essential nutrient and is not considered toxic except at high concentrations.
[16] Maximum analyte concentration is less than 2 times the average upstream concentration for inorganic compounds.

Notes: Sample locations include: 5-SW1, 5-SW2, 5-SW3, and 5-SW4.
CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
% = percent.
UCL = upper confidence limit.
NA = not available or not applicable.
ND = not detected.

Table 6-10
Selection of Ecological Contaminants of Potential Concern for Site 5 Wetland Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Chronic Water Quality Screening Value[4]	2 Times Upstream Concentration[5]	Contaminant of Ecological Concern?[6]	Exposure Point Concentrations		
								Risk Assessment Mean[7]	Maximum[8]	Average[9]
Inorganic Compounds (µg/ℓ)										
Aluminum	2/2	200	365 to 552	459	[10]87	1,476	No[11]	459		
Barium	2/2	200	26.9 to 27.6	27.3	NA	28.4	No[11]	27.3		
Calcium	2/2	5,000	14,800 to 20,400	17,600	NA	4,940	No[12]	17600		
Iron	2/2	100	153 to 263	208	1,000	2,520	No[11,13]	208		
Magnesium	2/2	5,000	2,000 to 2,490	2,245	NA	1,152	No[12]	2245		
Manganese	2/2	15	35.8 to 41.6	38.7	NA	18.4	Yes A/W	38.7	41.6	38.7
Potassium	2/2	5,000	3,700 to 3,790	3,745	NA	ND	No[12]	3745		
Sodium	2/2	5,000	18,200 to 26,500	22,350	NA	10,440	No[12]	22350		
Zinc	2/2	20	45.4 to 45.7	45.6	[14]60	81.4	No[11,13]	45.6		
Water Quality Parameters (mg/ℓ)										
Nitrate/nitrite	2/2	0.02	0.14 to 0.33	0.24	NA	0.04	NA	0.24		
Total hardness	2/2	0	45.2 to 61.2	53.2	NA	17.0	NA	53.2		
Total Kjeldahl nitrogen	2/2	0.04	1.67 to 2.87	2.27	NA	1.76	NA	2.27		

See notes at end of table

Table 6-10 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Wetland Surface Water

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Chronic Water Quality Screening Value[4]	2 Times Upstream Concentration[5]	Contaminant of Ecological Concern?[6]	Exposure Point Concentrations		
								Risk Assessment Mean[7]	Maximum[8]	Average[9]
Water Quality Parameters (mg/ℓ)--continued										
Total Nitrogen	2/2	0	1.81 to 3.12	2.47	NA	1.8	NA	2.47		
Total Phosphorous	2/2	0.01	0.07 to 0.09	0.08	NA	0.16	NA	0.08		

[1] Frequency of Detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detects, contract required quantitation limits (CRQLs) were reported for organic analytes, and contract required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] U.S. Environmental Protection Agency (USEPA) Region IV Waste Management Division Chronic Freshwater Quality Screening Values based on the Water Quality Standards Units Screening List (USEPA, 1992b).
[5] 5-SW5 was used as the upstream sample location. Two times the upstream concentration is calculated for inorganics only.
[6] A = Ecological Contaminant of Potential Concern (ECPC) for aquatic and wetland receptors.
W = ECPC for wildlife.
[7] The Risk Assessment Mean assigns a value of 1/2 the CRQL/CRDL to all non-detects.
[8] Maximum Exposure Point Concentrations (EPCs) are equal to the maximum detected concentration. No 95th percent UCLs were calculated because the sample population was less than 3.
[9] Average Exposure Point Concentrations (for wildlife only) are equal to the Risk Assessment Mean.
[10] Criterion is based on an assumed pH of 6.5-9 (USEPA, 1988d).
[11] Maximum analyte concentration is less than 2 times the average upstream concentration for inorganic compounds.
[12] Analyte is an essential nutrient, and is not considered toxic except at high concentrations.
[13] Maximum analyte concentration is below the Region IV chronic surface water screening value (USEPA, 1992b), therefore the analyte will not be considered as an aquatic ECPC.
[14] Hardness dependent criterion based on site-specific hardness concentration (53.2 mg/ℓ as $CaCO_3$).

Notes: Sample locations include: 5-SW6 and 5-SW7.

CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
μg/ℓ = micrograms per liter.
NA = not available/not applicable.
ND = not detected.
mg/ℓ = milligrams per liter.

Drainage Ditch. Table 6-9 lists all analytes detected in the Site 5 drainage ditch surface water. All 3 VOCs and 7 of the 11 detected inorganic analytes were identified as ECPCs in the drainage ditch. Two ECPCs (toluene and cadmium) were selected only as wetland wildlife ECPCs because their maximum detected concentrations were less than the USEPA Region IV surface water screening criteria.

Wetland. Table 6-10 lists all analytes detected in wetland surface water. Organic compounds were not detected in any wetland surface water samples, and manganese was the only metal of the nine inorganic analytes detected that was retained as an ECPC for aquatic receptors and wildlife because its maximum detected concentration exceeded both the USEPA Region IV surface water screening criteria and twice the average upstream concentration.

6.2.1.3 Sediment Sediment analytical results for all compounds detected at Site 5 are summarized in Tables 6-11, 6-12, and 6-13 for the upstream, drainage ditch, and wetland locations, respectively.

Upstream. Table 6-11 lists all analytes detected in upstream sediment, which included acetone, 2-butanone, and seven inorganic analytes. Two times the detected concentration at 5-SD-5 was used for screening inorganic sediment ECPCs in the drainage ditch and wetland locations. 2-Butanone was the only analyte detected in the upstream sample (4 micrograms per kilogram [μg/kg]) that was not present in the wetland. All upstream sediment concentrations were less than concentrations detected in either the drainage ditch or the wetland.

Drainage Ditch. Table 6-12 lists all analytes detected in drainage ditch sediment. Six VOCs, 6 SVOCs, 3 pesticides, Aroclor-1260, and 9 of the 11 detected inorganic analytes were identified as ECPCs in the drainage ditch. Three ECPCs (fluorene, chromium, and zinc) were selected only as wildlife ECPCs because their maximum detected concentrations were less than the USEPA Region IV sediment screening criteria. TPH was detected in Site 5 drainage ditch sediment at concentrations ranging from 23.3 mg/kg (5-SD-5) to 1,450 mg/kg (5-SD-1) (Table 6-7).

Wetland. Table 6-13 lists all analytes detected in wetland sediment. Acetone, the only organic compound, and 12 of the 15 inorganic analytes detected were retained as ECPCs. Three ECPCs (arsenic, chromium, and copper) were selected only as wildlife ECPCs because their maximum detected concentrations were less than the USEPA Region IV sediment screening criteria. TPH was detected in Site 5 wetland sediment at concentrations ranging from 40.1 to 42.9 mg/kg (Table 6-7).

6.2.1.4 Groundwater Aquatic receptors in the Site 5 wetland and drainage ditch may be exposed to groundwater contamination as it discharges to the surface. For this reason, analytes detected in the Site 5 aquifer are screened as potential ECPCs. The unfiltered groundwater data for Site 5 are summarized in Table 6-14; evaluation of unfiltered groundwater data is highly conservative because particulates in the groundwater are not likely to be discharged to the drainage ditch or wetland.

Table 6-11
Analytes Detected in Site 5 Upstream Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	CRQLs/CRDLs[1]	Detected Concentrations
Volatile Organic Compounds (µg/kg)		
Acetone	14	24
2-Butanone	14	4
Inorganic Compounds (mg/kg)		
Aluminum	40	366
Barium	40	3
Calcium	1,000	72.1
Iron	20	72.9
Magnesium	1,000	13.2
Manganese	3	0.51
Zinc	4	0.68

[1] Contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.

Notes: Summary of sample location 5SD5 data.

µg/kg = micrograms per kilogram.
mg/kg = milligrams per kilogram.

Table 6-12
Selection of Ecological Contaminants of Potential Concern for Site 5 Drainage Ditch Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentra-tions	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Upstream Concentration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations			
									Risk As-sessment Mean[7]	95th % UCL[8]	Maximum[9]	Average[10]
Volatile Organic Compounds (µg/kg)												
Acetone	4/4	14 to 50	13 to 110	45	NA	NA	Yes	A/W	45	3,041	110	45
2-Butanone	1/4	14 to 50	29	29	NA	NA	Yes	A/W	13	81	29	13
Ethylbenzene	1/4	14 to 50	9	9	NA	NA	Yes	A/W	12	48	9	[11]9
Methylene chloride	1/4	14 to 50	11	11	NA	NA	Yes	A/W	9	11	11	9
Toluene	3/4	14 to 50	8 to 20	14	NA	NA	Yes	A/W	17	49	20	17
Xylenes (total)	1/4	14 to 50	53	53	NA	NA	Yes	A/W	23	837	53	23
Semivolatile Organic Compounds (µg/kg)												
Di-n-octylphthalate	1/4	460 to 2,100	410	410	NA	NA	Yes	A/W	290	437	410	290
bis(2-Ethylhexyl) phthalate	1/4	460 to 2,100	1,900	1,900	NA	NA	Yes	A/W	663	34,892	1,900	663
Fluorene	1/4	460 to 2,100	230	230	330	NA	Yes	W[12]	450	3,715	230	[11]230
2-Methyl naphthalene	1/4	460 to 2,100	1,500	1,500	330	NA	Yes	A/W	768	23,624	1,500	768
4-Methylphenol	2/4	460 to 2,100	66 to 75	71	NA	NA	Yes	A/W	355	235,626	75	[11]75
Naphthalene	1/4	460 to 2,100	1,100	1,100	330	NA	Yes	A/W	668	10,509	1,100	668

See notes at end of table

Table 6-12 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Drainage Ditch Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Upstream Concentration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations			
									Risk Assessment Mean[7]	95th % UCL[8]	Maximum[9]	Average[10]
Pesticides and PCBs (µg/kg)												
4,4-DDD	2/4	4.6 to 24	8 to 27	18	[13] 3.3	NA	Yes	A/W	12	692	27	12
4,4-DDE	1/4	4.6 to 24	3.7	3.7	[13] 3.3	NA	Yes	A/W	6.9	84.8	3.7	[11]3.7
4,4-DDT	1/4	4.6 to 24	8.6	8.6	3.3	NA	Yes	A/W	8.1	79	8.6	8.1
Aroclor-1260	3/3	46 to 240	70 to 330	180	33	NA	Yes	A/W	180	49,021	330	180
Inorganic Compounds (mg/kg)												
Aluminum	4/4	40	693 to 11,000	3,718	NA	732	Yes	A/W	3,718	$1x10^5$	11,000	3,718
Barium	4/4	40	4.7 to 55.4	19.6	NA	6	Yes	A/W	19.6	1,959	55.4	19.6
Beryllium	1/4	1	0.16	0.16	NA	ND	Yes	A/W	0.42	1.67	0.16	[11]0.16
Calcium	4/4	1000	99.9 to 2,160	676	NA	144.2	No[14]					
Chromium	4/4	2	0.92 to 10	3.73	33	ND	Yes	W[12]	3.73	257.24	10	3.73
Iron	4/4	20	127 to 3,370	960	NA	145.8	Yes	A/W	960	1×10^7	3,370	960
Lead	4/4	1	3 to 25	10.6	21	ND	Yes	A/W	10.6	240	25	10.6
Magnesium	4/4	1,000	18.3 to 341	112	NA	26.4	No[14]					
Manganese	2/4	3	0.91 to 8.7	4 81	NA	1.02	Yes	A/W	3.15	144	8.7	3.15

See notes at end of table

Table 6-12 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Drainage Ditch Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Upstream Concentration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations			
									Risk Assessment Mean[7]	95th % UCL[8]	Maximum[9]	Average[10]
Inorganic Compounds (mg/kg)--continued												
Vanadium	3/4	10	1.5 to 9.3	4.8	NA	ND	Yes	A/W	4.8	51.4	9.3	4.8
Zinc	2/4	4	3.9 to 39.1	21.5	68	1.36	Yes	W[12]	11.8	28,567	39.1	11.8

[1] Frequency of Detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detects, contract required quantitation limits (CRQLs) were reported for organic analytes and contact required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Draft Region IV Waste Management Division Sediment Screening Values (U.S. Environmental Protection Agency [USEPA], 1994b.
[5] 5SD5 was used as the upstream sample location. Two times the upstream concentration is calculated for inorganics only.
[6] A = Ecological Contaminant of Potential Concern (ECPC) for aquatic receptors
W = ECPC for terrestrial and wetland wildlife
[7] The Risk Assessment Mean assigns a value of 1/2 the CRQL/CRDL to all non-detects.
[8] The 95th UCL is calculated on the log-transformed Risk Assessment Mean using the formula provided in the USEPA Region IV Supplemental Guidance (1991d).
[9] Maximum Exposure Point Concentrations were selected using the following criteria:
- When the sample size was ≤ 3, the maximum detected concentration was used.
- When the sample size was ≥ 4, the lesser of the maximum detected concentration or the 95th percent UCL was selected.

[10] Average Exposure Point Concentrations (for wildlife only) are equal to the Risk Assessment Mean.
[11] When the Risk Assessment Mean was greater than the maximum detected concentration, the maximum concentration was selected for both the average and maximum exposure point concentrations.
[12] Maximum analyte concentration is below the Region IV sediment screening value (USEPA, 1994b), therefore the analyte will not be considered as an aquatic ECPC.
[13] Compound uses the 4,4'-DDT screening value as a surrogate based on structural and toxicological similarities.
[14] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include: 5-SD-1, 5-SD2, 5-SD3, and 5-SD4.

CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
% = percent
UCL = upper confidence limit.
μg/kg = microgram per kilogram
NA = not available/not applicable.
mg/kg = milligrams per kilogram.
ND = not detected.

Table 6-13
Selection of Ecological Contaminants of Potential Concern for Site 5 Wetland Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Upstream Concen-tration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations		
									Risk Assess-ment Mean[7]	Maximum[8]	Average[9]
Volatile Organic Compounds (µg/kg)											
Acetone	1/2	19 to 42	830	830	NA	NA	Yes	A/W	420	830	420
Inorganic Compounds (mg/kg)											
Aluminum	2/2	40	7,060 to 12,700	9,880	NA	732	Yes	A/W	9,880	12,700	9,880
Arsenic	2/2	2	2.6 to 4.5	3.6	8	ND	Yes	W[10]	3.6	4.5	3.6
Barium	2/2	40	18.7 to 27.5	23.1	NA	6	Yes	A/W	23.1	27.5	23.1
Beryllium	1/2	1	0.63	0.63	NA	ND	Yes	A/W	0.56	0.63	0.56
Calcium	2/2	1,000	1,670 to 4,140	2,905	NA	144.2	No[11]		2,905		
Chromium	2/2	2	10 9 to 16.7	13.8	33	ND	Yes	W[10]	13.8	16.7	13.8
Copper	1/2	5	3.7	3.7	28	ND	Yes	W[10]	3.1	3.7	3.1
Iron	2/2	20	1,470 to 2,730	2,100	NA	145.8	Yes	A/W	2,100	2,730	2,100
Lead	2/2	1	101 to 129	115	21	ND	Yes	A/W	115	129	115
Magnesium	2/2	1,000	140 to 329	235	NA	26.4	No[11]		235		
Manganese	2/2	3	5.1 to 13	9.1	NA	1.02	Yes	A/W	9.1	13	9.1
Mercury	2/2	0.1	0.09 to 0.17	0.13	0.1	ND	Yes	A/W	0.13	0.17	0.13

See notes at end of table

Table 6-13 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Wetland Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Upstream Concen-tration[5]	Contaminant of Ecological Concern?[6]		Exposure Point Concentrations		
									Risk Assess-ment Mean[7]	Maximum[8]	Average[9]
Inorganic Compounds (mg/kg)–continued											
Sodium	1/2	1,000	123	123	NA	ND	No[11]		312		
Vanadium	1/2	10	10.2	10.2	NA	ND	Yes	A/W	7.6	10.2	7.6
Zinc	2/2	4	45.5 to 81.8	63.7	68	1.36	Yes	A/W	63.7	81.8	63.7

[1] Frequency of Detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detects, CRQLs were reported for organic analytes and CRDLs were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Draft Region IV Waste Management Division Sediment Screening Values (USEPA, 1994b).
[5] 5SD5 was used as the upstream sample location. Two times the upstream concentration is calculated for inorganics only.
[6] A = Ecological Contaminant of Potential Concern (ECPC) for aquatic and wetland receptors
W = ECPC for terrestrial wildlife
[7] The Risk Assessment Mean assigns a value of 1/2 the CRQL/CRDL to all non-detects.
[8] Maximum Exposure Point Concentrations (EPCs) are equal to the maximum detected concentration. 95th percent UCLs were not calculated because the sample population was less than 3.
[9] Average Exposure Point Concentrations (for wildlife only) are equal to the Risk Assessment Mean.
[10] Maximum analyte concentration is below the Region IV sediment screening value (USEPA, 1994b), therefore the analyte will not be considered as an aquatic ECPC.
[11] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include: 5SD6 and 5-SD-7.

CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
μg/kg = micrograms per kilogram.
mg/kg = milligrams per kilogram.
NA = not available/not applicable.
ND = not detected.

Table 6-14
Selection of Ecological Contaminants of Potential Concern for Site 5 Unfiltered Groundwater Baseline Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/ CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Upgradient Concentration[4]	Region IV Chronic Water Quality Screening Value[5]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
								Risk Assessment Mean[6]	95th % UCL[7]	Maximum[8]	Average[9]
Volatile Organic Compounds (µg/ℓ)											
Acetone	14/30	2 to 500	1 to 8,500	984	NA	NA	Yes	461	19,930	527	28.6
Benzene	3/30	1 to 100	8 to 16	11	NA	53	No[10]				
2-Butanone	4/30	2 to 200	6 to 150	96.5	NA	NA	Yes	22.2	80.6	5.00	1.38
1,2-Dichloroethene (total)	1/30	1 to 100	14 to 14	14	NA	303	No[10]				
Ethylbenzene	5/30	1 to 100	11 to 41	27.8	NA	453	No[10]				
2-Hexanone	2/30	2 to 200	35 to 60	47.5	NA	NA	Yes	12.4	30.6	1.90	0.769
4-Methyl-2-pentanone	6/30	2 to 200	7 to 190	97.7	NA	NA	Yes	26.4	105	6.51	1.64
Tetrachloroethene	1/30	1 to 200	2 to 2	2	NA	84	No[10]				
Toluene	9/30	1 to 100	21 to 180	111	NA	175	Yes	34.1	441	11.2	2.11
Trichloroethene	1/30	1 to 100	19 to 19	19	NA	NA	No[11]				
Xylenes (total)	8/30	1 to 100	56 to 200	117	NA	NA	Yes	32.7	399	12.4	2.03
Semivolatile Organic Compounds (µg/ℓ)											
Di-n-butylphthalate	4/30	10 to 200	0.7 to 2	1.7	NA	9.4	No[10]				
Diethylphthalate	6/30	10 to 200	0.5 to 8	4.6	NA	521	No[10]				
2,4-Dimethylphenol	6/30	10 to 200	64 to 110	85.5	NA	21.2	Yes	23.7	38.5	2.39	1.47

See notes at end of table

Table 6-14 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Unfiltered Groundwater
Baseline Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/ CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Upgradient Concentration[4]	Region IV Chronic Water Quality Screening Value[5]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
								Risk Assessment Mean[6]	95th % UCL[7]	Maximum[8]	Average[9]
Semivolatile Organic Compounds (µg/ℓ)--continued											
bis(2-Ethylhexyl) phthalate	9/30	10 to 200	0.5 to 1,400	180	NA	0..3	Yes	62.7	66.7	4.14	3.89
2-Methylnaphthalene	9/30	10 to 200	59 to 1,000	202	NA	NA	Yes	64.1	116	7.19	3.97
2-Methylphenol	8/30	10 to 200	14 to 90	59.9	NA	NA	Yes	20.7	31.8	1.97	1.28
4-Methylphenol	9/30	10 to 200	9 to 820	425	NA	NA	Yes	131	508	31.5	8.12
Naphthalene	10/30	10 to 200	0.5 to 610	192	NA	62	Yes	67.4	226	14.0	4.18
Phenol	15/30	10 to 200	0.5 to 180	59.2	NA	256	No[10]				
Pesticides and PCBs (µg/ℓ)											
beta-BHC (Lindane)	2/30	0.03 to 5	0.2 to 4.5	2.3	NA	5,000	No[10]				
alpha-Chlordane	1/30	0.05 to 10	0.2 to 0.15	0.15	NA	0.0043	Yes	0.48	1	0.009	[12]0.009
Endosulfan II	1/30	0.09 to 2	0.2 to 0.21	0.21	NA	0.056	No[10]				
Inorganic Compounds (µg/ℓ)											
Aluminum	30/30	200 to 200	1,150 to 967,000	100,514	38,780	87	Yes	100,514	503,833	31,238	6,232
Antimony	2/30	60 to 60	24 to 29.4	26.8	NA	160	No[10]				
Arsenic	21/30	10 to 10	2.3 to 79	13.7	86.6	190	No[10, 13]				
Barium	30/30	200 to 200	17 to 1,530	138	112	NA	Yes	138	187	11.6	8.56
Beryllium	4/30	5 to 5	0.6 to 12.5	4.7	NA	0.53	Yes	2.8	3.2	0.20	0.17

See notes at end of table

Table 6-14 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Unfiltered Groundwater
Baseline Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/ CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Upgradient Concentration[4]	Region IV Chronic Water Quality Screening Value[5]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
								Risk Assessment Mean[8]	95th % UCL[7]	Maximum[8]	Average[9]
Inorganic Compounds (μg/ℓ)											
Cadmium	4/30	5 to 5	3.5 to 5.9	4.5	NA	0.66	Yes	2.8	3	0.19	0.17
Calcium	30/30	5,000 to 5,000	1,140 to 120,000	14,339	8,046	NA	No[14]				
Chromium	27/30	10 to 10	5.7 to 583	82.6	NA	117	Yes	74.8	187	11.6	4.64
Cobalt	7/30	50 to 50	4.6 to 20.9	11.4	NA	NA	Yes	21.8	26.1	1.30	[12]1.30
Copper	13/30	25 to 25	5.1 to 79	28.3	NA	6 54	Yes	19.4	23.3	1.44	1.20
Iron	29/30	100 to 100	724 to 40,600	10,942	7,574	1,000	Yes	10,579	35,596	2,207	656
Lead	30/30	3 to 5	1.4 to 214	41.7	20.4	1.32	Yes	41.7	108	6.70	2.59
Magnesium	30/30	5,000 to 5,000	699 to 20,400	3,215	4,154	NA	No[14]				
Manganese	23/30	15 to 15	6.3 to 263	53	NA	NA	Yes	42.4	68	4.22	2.63
Mercury	11/30	0.2 to 0.2	0.2 to 1.5	0.49	0.44	0.012	Yes	0.24	0.31	0.02	0.01
Nickel	11/30	40 to 40	13 to 68.8	36.2	NA	87	No[10]				
Potassium	26/30	5,000 to 5,000	800 to 11,800	2,598	3,258	NA	No[14]				
Selenium	12/30	5 to 5	2 to 19.3	9.6	NA	5	Yes	5.3	6.8	0.42	0.33
Sodium	30/30	5,000 to 5,000	4,030 to 28,300	8,512	24,278	NA	No[14]	8,512	9,897	614	528
Vanadium	27/30	50 to 50	3.2 to 489	116	56.4	NA	Yes				
Zinc	12/30	20 to 25	26 to 163	76.8	68.6	58.9	Yes	36.8	54.1	3.35	2.28

See notes on next page.

Table 6-14 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 5 Unfiltered Groundwater
Baseline Risk Assessment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] Frequency of Detection is equal to the number of samples in which the analyte is detected divided by the total number of samples.
[2] For all non-detects, contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Background sample locations include: 5MW13S, 5MW14I, and 5MW15D. Two times the background concentration is calculated for inorganics only.
[5] U.S. Environmental Protection (USEPA) Region IV Waste Management Division Chronic Freshwater Quality Screening Values based on the Water Quality Standards Units Screening List (USEPA, 1992b).
[6] The Risk Assessment Mean assigns a value of 1/2 the CRQL/CRDL to all non-detects.
[7] The 95th upper confidence limit (UCL) is calculated on the average of all concentrations using the formula provided in the USEPA Region IV Supplemental Guidance (1991b).
[8] Maximum Exposure Point Concentrations (EPCs) were selected using the following criteria:
- When the sample size was ≤ 3, the maximum detected concentration multiplied by a dilution factor of 0.062 was used.
- When the sample size was ≥ 4, the lesser of the maximum detected concentration or the 95th percent UCL was selected. The lessor of the two was multiplied by a dilution factor of 0.062.

[9] Average EPCs are equal to the Risk Assessment Mean multiplied by a dilution factor of 0.062.
[10] Maximum concentration is less than the Region IV Chronic Water Quality Screening Value (USEPA, 1992b).
[11] Analyte not included as an ecological contaminant of potential concern (ECPC) because the frequency of detection was less than 5 percent, and the analyte was not detected in any other Site 5 media.
[12] When the Risk Assessment Mean was greater than the maximum detected concentration, the maximum concentration was selected for both the average and maximum exposure point concentrations.
[13] Maximum analyte concentration is less than 2 times the average background concentration for inorganic compounds.
[14] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include:

1991 data:	CEF-5-3, CEF-5-4, CEF-5-5, CEF-5-6, CEF-5-7S
1993 data:	CF5MW3S, CF5MW4S, CF5MW5S, CF5MW6S, CF5MW7S, CF58S, CF59I, CF510S, CF511I, CF512D, CF5MW16S, CF5MW17I, CF5MW18D, CF5MW19S (including CF5MW19SD), CF5MW20S, CF5MW21I, CF5MW22D, CF5MW23S, CF524S, CF525I, CF526D, CF527S, CF5MW28D (including CF5MW28DD), CF5MW29S (including CF5MW29SD), and CF5MW30S.

CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
% = percent.
UCL = upper confidence limit.
$\mu g/\ell$ = micrograms per liter.
NA = not available.
PCBs = polychlorinated biphenyls.
BHC = hexachlorocyclohexane.

Data from 30 monitoring wells were used to evaluate groundwater conditions potentially contributing to surface water contamination in the Site 5 drainage ditch and wetland. The data set included primarily 1993 data, although analytical chemistry data from five 1991 monitoring well locations (CEF-5-3, CEF-5-4, CEF-5-5, CEF-5-6, and CEF-5-7S) were also evaluated. Wells screened at shallow, intermediate, and deep intervals were all included in the summary of groundwater data; groundwater from any of these three intervals could conceivably discharge to the Site 5 wetland or drainage ditch.

Data from three upgradient monitoring well locations (CF5-MW-13S, CF5-MW-14I, and CF5-MW-15D) were used for screening groundwater ECPCs. The locations of all 30 monitoring wells considered in this ERA are shown in Figure 3-8.

Thirty-seven ECPCs were identified in Site 5 groundwater (Table 6-14). ECPCs included 8 VOCs, 9 SVOCs, 3 pesticides, and 17 inorganic analytes. The maximum and minimum VOC concentrations detected in Site 5 groundwater were both associated with acetone, with concentrations ranging from 1 to 8,500 $\mu g/\ell$. The nine SVOCs detected in Site 5 groundwater included three phthalic esters, four phenolic analytes, and two PAHs. Of the three pesticides detected in Site 5 groundwater, two were retained as ECPCs (lindane and alpha-Chlordane); endosulfan II was eliminated as an ECPC because it was detected in less than 5 percent of the samples evaluated and in no other media at Site 5. Although alpha-Chlordane was also detected in less than 5 percent of the groundwater samples analyzed, it was also found in Site 5 surface soil; therefore, alpha-Chlordane was retained as an ECPC in Site 5 groundwater.

6.2.2 Exposure Assessment The exposure assessment identifies exposure pathways and estimates the magnitude of contaminant exposures for the aquatic and wildlife receptors for ECPCs in surface soil, surface water, sediment, and groundwater. Exposure pathways were identified for receptors in the Contaminant Pathway Model (Figure 6-1). Exposure pathways selected for the ERA are discussed in Subsection 6.1.3.

6.2.2.1 Surface Soil As it is not possible to predict contaminant exposures and evaluate risks for each of the resident wildlife species at Site 5, six species were selected as representative wildlife species. These species serve as representatives in a model that predicts contaminant exposures for wildlife species based on their position in the food chain. Contaminant exposures for terrestrial wildlife are primarily related to what the organism eats, how much it eats, and how it feeds; therefore, the representative wildlife species were chosen to represent the trophic levels typical of a southeastern disturbed upland community. The following representative wildlife species for Site 5 were selected.

- **Cotton mouse** (*Peromyscus gossypinus*). The cotton mouse represents a small mammalian herbivore. This species would be exposed to contamination in the soil and in plant tissue (accumulated from the soil). The cotton mouse represents the small mammal herbivore community at the site.

- **Short-tailed shrew** (*Blarina brevicauda*). The short-tailed shrew finds suitable habitat in forests, fields, marshes, and brush. It primarily feeds on earthworms, snails, centipedes, insects, small vertebrates, and slugs (DeGraaf and Rudis, 1986). The shrew represents the small mammalian insectivore community at the site. Relative to other small

mammals, insectivorous species may receive the highest doses of contamination as a result of their voracious appetite and small body size.

- **Red fox** (*Vulpes vulpes*). This omnivorous mammal prefers open woodlands and grassy fields and is most active at night and during crepuscular periods. It is an opportunistic forager, feeding on small mammals, birds, amphibians, reptiles, and invertebrates, as well as berries and other fruits (Burt and Grossenheider, 1976). The red fox has an estimated home range of approximately 250 acres.

- **American woodcock** (*Scolopex minor*). The woodcock is a vermivorous (feeding exclusively on earthworms) bird that inhabits areas of fertile, moist soil where earthworms are plentiful. These areas include open pastures, cultivated fields, and stream banks (DeGraaf and Rudis, 1986). The woodcock represents avian insectivores at the OU 2 sites.

- **Rufous-sided towhee** (*Pipilpo erythrophthalmus*). The towhee inhabits dense brushy cover in woodland edges and open clearings. The towhee is an omnivore that forages in the leaf litter layer of the forest floor for insects, seeds, and fruits (DeGraaf and Rudis, 1986). The towhee represents other avian omnivores at Site 5.

- **Great horned owl** (*Bubo virginianus*). The great horned owl is primarily a nocturnal hunter of small mammals. Its habitat includes low, wet, deep woods and heavily wooded swamps often near open country where it may hunt for food (DeGraaf and Rudis, 1986). The owl represents avian carnivores and may be exposed to contamination that accumulates in the tissue of mammalian and avian insectivorous and herbivores.

Terrestrial wildlife species may be exposed to contamination in surface soil by incidental ingestion and by ingestion of food that has been contaminated as a result of accumulating ECPCs from the soil. As discussed in Section 6.1.3, a simple model is used to estimate PDEs for each of the representative wildlife species for each of the surface soil ECPCs. The BAFs for plants, terrestrial invertebrates, small mammals, and avian species used to predict the PDEs for each ECPC are listed in Appendix K. The PDEs calculated for each of the representative wildlife species for each of the ECPCs in surface soil are presented in Appendix L.

The acreage of upland parts of Site 5 (estimated at 2.8 acres) is larger than the home range for the cotton mouse, short-tailed shrew, and rufous-sided towhee. All six representative wildlife species are expected to actively forage at the site year round. Exposure assumptions (body weights, food ingestion rates, relative consumption of food items, etc.) for each of the representative wildlife species for Site 5 are provided in Table 6-15.

6.2.2.2 Surface Water Exposure concentrations for ECPCs in surface water in the Site 5 wetland and drainage ditch are determined for both aquatic receptors and wildlife. Exposure pathways for aquatic receptors, as well as terrestrial and wetland wildlife, are depicted on Figure 6-1. Exposures for terrestrial and wetland wildlife to ECPCs in the drainage ditch are evaluated independently of the ECPCs in the wetland. In both the wetland and the drainage ditch, wildlife exposures to surface water and sediment are evaluated concurrently.

Table 6-15
Exposure Parameters for Representative Wildlife Species

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Representative Wildlife Species	Body Weight (kg)	Reported Diet	Soil and Sediment Ingestion (% of diet)	Assumed Diet for Exposure Assessment (% of diet)	Food Ingestion Rate (kg/day)	Water Intake Rate (ℓ/day)	Home Range (acres)	Population Density (N/acre)
Cotton mouse[1] (*Peromyscus gossypinus*)	[2]0.021	Seeds and some insects[3]	soil[4] 2 sediment[5] 1	Plants 88 Invertebrates 10	[6]0.0029	[7]0.0031	[8]0.147	[3]6.92 to 29.65
Short-tailed shrew (*Blarina brevicauda*)	[9]0.017	Earthworms, slugs and snails, fungi, insects, and vegetation.[3]	soil[4] 10 sediment[5] 5	Invertebrates 78 Plants 12	[6]0.0024	[7]0.0039	[3]0.96 ± 0.09	[3]0.15 to 299
Red fox (*Vulpes vulpes*)	[10]4.69	Small mammals, birds, and invertebrates, as well as berries and other fruits.[3]	soil[3] 2.8	Small mammals 57 Invertebrates 20 Birds 10 Plants 10	[6]0.24	–	[3]1,727 ± 339	[3]0.114 to 0.190
Raccoon (*Procyon lotor*)	[11]3.99	Mostly fleshy fruits, nuts, acorns, and corn; also frogs, crayfish, and insects.[3]	sediment[5] 7	Aquatic organisms 93 Sediment 7	[6]0.214	[7]0.344	[12]385	[3]3.6
Rufous-sided towhee (*Pipilo erythrophthalmus*)	[13]0.039 median	30 percent animals (moths, ants, caterpillars, beetles, bugs, spiders, and snails) and 70 percent vegetation (seeds of weeds, grasses, and berries).[13,14]	soil[4] 5 sediment[5] 2.5	Plants 65 Invertebrates 30	[15]0.0071	[16]0.0067	[14]1.5	NA
American woodcock (*Scolopex minor*)	[17]0.197	Primarily earthworms and insects with some plants.[3]	soil[3] 10 sediment[5] 5	Invertebrates 80 Plants 10	[15]0.02	[16]0.019	[3]80.1 ± 68.2	[3]0.52 nests
Great horned owl (*Bubo virginianus*)	[18]1.59 median	Mostly rabbits; also mice, rats, chipmunks, weasels, squirrels, skunks, birds, bats, snakes, frogs, crayfish, perch, and grasshoppers.[18]	soil[4] 1 sediment[5] 0.5	Small mammals 80 Birds 19	[15]0.079	[16]0.081	[19]15	[14]352

See notes at end of table.

Table 6-15 (Continued)
Exposure Parameters for Representative Wildlife Species

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Representative Wildlife Species	Body Weight (kg)	Reported Diet	Soil/Sediment Ingestion (% of diet)	Assumed Diet for Exposure Assessment (% of diet)	Food Ingestion Rate (kg/day)	Water Intake Rate (l/day)	Home Range (acres)	Population Density (N/acre)
Great blue heron (*Ardea herodias*)	[3]2.23 ± 0.76	Mostly fish; some amphibians, crustaceans, and birds[3]	sediment[5] 2	Aquatic organisms >98	[20]0.401	[18]0.101	[21]1.5	[22]368 ± 131 nests

[1] Values for the deer mouse were used for the cotton mouse (U.S. Environmental Protection Agency [USEPA], 1993d).
[2] Average of adult male and female deer mice in North America (USEPA, 1993d).
[3] Wildlife Exposure Factors Handbook (USEPA, 1993d).
[4] Deer mouse value used for cotton mouse. American woodcock value used for American robin and short-tailed shrew. All surrogates were chosen based on similarities in diet. Other values were based on diet composition (USEPA, 1993d). Rufous-sided towhee value from Beyer and others (1991).
[5] Sediment ingestion assumed to be 50 percent of soil ingestion, except for the raccoon and the heron.
[6] Calculated using the mammal equation based on body weight (Wt.) in kg. Food ingestion (kg/day) = $0.0687 \times Wt^{0.822}$ (USEPA, 1993d).
[7] Calculated using the mammal equation based on body weight (Wt.) in kg. Water ingestion (l/day) = $0.099 \times Wt^{0.90}$ (USEPA, 1993d).
[8] Average for male and female deer mice, Virginia/mixed deciduous forest (USEPA, 1993d).
[9] Mean of means reported for male and female shrews in summer and fall (USEPA, 1993d).
[10] Average of adult male and female foxes in spring. (USEPA, 1993d).
[11] Median of mean weights for male and female raccoons in Alabama (USEPA, 1993d)
[12] Average of adult male and female raccoons from May to December (USEPA, 1993d).
[13] Terres (1980).
[14] DeGraaf & Rudis (1986). Rufous-sided towhee home range taken from savanna sparrow average (similar species).
[15] Calculated using the bird equation based on body weight (Wt.) in kg. Food ingestion (kg/day) = $0.0582 \times Wt^{0.651}$ (USEPA, 1993d).
[16] Calculated using the bird equation based on body weight (Wt.) in kg. Water ingestion (l/day) = $0.059 \times Wt^{0.67}$ (USEPA, 1993d).
[17] Middle of mean weights reported for adult male and female American woodcocks (USEPA, 1993d).
[18] Terres (1991).
[19] Great horned owl home range taken from low end of range in SE Madison County, NY. Hager (1957).
[20] As reported estimating from Kushlan's (1978) allometric equation for wading birds, assuming a body weight of 2,230 g. (USEPA, 1993d).
[21] Size of heron feeding territory in summer (USEPA, 1993d).
[22] Reported population density of herons for Maine and coastal islands in summer (USEPA, 1993d).

Notes: kg = kilograms.
% = percent.
kg/day = kilograms per day.
ℓ/day = liters per day.
N/acre = number of samples per acre.
NA = not available.

Aquatic Receptors. Contaminant exposures related to direct contact with surface water are evaluated for aquatic receptors in the Site 5 drainage ditch, as well as the Site 5 wetland. Exposures are evaluated for each of the sampling locations with the exposure concentrations assumed to be equal to the amount of an analyte detected in the surface water sample from the respective location.

Terrestrial and Wetland Wildlife. Four species were selected as representative wildlife species for the purpose of evaluating risks associated with exposures to surface water and sediment contamination in the Site 5 drainage ditch. Five species were considered for the Site 5 wetland. Life history information used to estimate exposures for each of the representative wildlife species is summarized in Table 6-15. The four representative wildlife species used for evaluation of contaminant exposures in the Site 5 drainage ditch are as follows.

- **Cotton mouse**. This small mammalian herbivore is also a representative species for evaluation of risks associated with surface soil contamination. This species represents small mammals at Site 5 that may come into contact with surface water as a result of ingestion. The cotton mouse was selected to represent mammalian species that would be maximally exposed (receive higher doses as a result of their small body size).

- **Rufous-sided towhee**. The rufous-sided towhee was also a representative wildlife species for the evaluation of risks associated with soil contamination. This species represents avian receptors that may come into contact with surface water as a result of ingestion. The towhee was selected to represent avian species that would receive the highest dose as a result of small body size.

- **Raccoon** (*Procyon lotor*). This species represents an opportunistic omnivorous species that may be exposed to contamination in surface water and sediment both as a result of direct ingestion and ingestion of aquatic prey. Aquatic prey (plants, invertebrates, and fish) may become contaminated as a result of accumulation of contaminants from the surface water and sediment.

- **Great blue heron** (*Ardea herodias*). This species represents a higher trophic level avian receptor that may be exposed to surface water and sediment contamination in the Site 5 drainage ditch. Great blue herons feed primarily on aquatic prey items, including fish, frogs, and invertebrates. The great blue heron has been selected to represent the wading bird guild of ecological receptors in the Site 5 drainage ditch (i.e., other herons and egrets).

The raccoon, cotton mouse, short-tailed shrew, American woodcock, and great-horned owl were selected as representative wildlife species to evaluate exposure to contamination in the Site 5 wetland.

Contaminant exposures for each of the representative wildlife species related to the surface water and sediment ECPCs are estimated based on the equations in Table 6-3. Exposures evaluated for the representative wildlife species include ingestion of surface water and sediment and ingestion of aquatic life (which may concentrate the ECPCs from surface water or sediment). Potential exposures are estimated based upon the maximum detected concentrations of ECPCs in the surface water and sediment samples from either the wetland and the Site 5 drainage ditch.

As discussed in Subsection 6.1.3, a simple model is used to estimate potential contaminant exposures for each of the representative wildlife species for each of the surface water and sediment ECPCs. The BCFs and BAFs that were used to predict the contaminant concentrations in aquatic prey for each ECPC are listed in Appendix K. The contaminant exposures calculated for each of the representative wildlife species for each of the ECPCs in surface water and sediment are presented in Appendices T and U (for drainage ditch and wetland, respectively).

6.2.2.3 Sediment Both aquatic receptors and wildlife may be exposed to ECPCs in sediment. Exposure pathways for ECPCs in sediment are depicted on Figure 6-1.

Aquatic Receptors. Contaminant exposures via direct contact were evaluated by the use of sediment toxicity tests and quantitative benthic macroinvertebrate sampling. Exposures are evaluated for each of the sampling locations in the Site 5 drainage ditch with the exposure concentrations assumed to be equal to the amount of an analyte detected in the sediment sample from the respective location.

Terrestrial and Wetland Wildlife. Routes of exposure to contaminated sediment evaluated for each of the representative wildlife species include indirect ingestion of sediment (during foraging activities) and ingestion of contaminated food (aquatic organisms that have accumulated contamination from the surface water and sediment). Contaminant exposures for each of the representative wildlife species for each of the ECPCs are calculated based on the equations in Table 6-3. The exposure concentrations calculated are reported in Appendices M and U.

6.2.2.4 Groundwater Exposure concentrations for aquatic receptors in the Site 5 drainage ditch and wetland related to the groundwater ECPCs were estimated based on the dilution potential of these systems. A simple modeling effort was completed to determine a dilution factor for groundwater entering the Site 5 wetland and drainage ditch. The modeling effort is described in Appendix O. A dilution factor of 0.062 was calculated.

Potential ECPC exposure concentrations are provided in Table 6-14. Maximum exposure concentrations are calculated by multiplying the maximum detected concentration in un-filtered groundwater samples by the dilution factor of 0.062. An average exposure concentration was calculated by multiplying the average detected un-filtered concentration in groundwater by the dilution factor of 0.062.

6.2.3 Ecological Effects Assessment The ecological effects assessment describes the potential adverse effects associated with the identified ECPCs for ecological receptors. Potential or actual adverse ecological effects for ECPCs in surface soil, surface water, sediment, and groundwater at Site 5 are described in the following paragraphs. The methodology for the ecological effects assessment is described in paragraph 6.1.4.1.

6.2.3.1 Surface Soil The ecological effects assessment for Site 5 surface soil includes separate evaluations for terrestrial wildlife and plant and soil invertebrates. Ecological effects for wildlife are estimated based on available toxicity information. Ecological effects for plant and soil invertebrates is measured directly by the use of soil toxicity tests.

Terrestrial Wildlife. The ecological effects assessment for ECPCs in surface soil at Site 5 is based on the identification of RTVs for each of the representative wildlife species for each of the surface soil ECPCs. RTVs are derived based on

the methodology described in Section 6.1.4.1. The dose-response information used to derive RTVs, as well as the RTVs, are included as Appendix K.

Terrestrial Plants and Soil Invertebrates. The results of earthworm and lettuce seed toxicity testing of surface soil samples from Site 5 are presented in Table 6-16. Soil toxicity testing is described in Section 6.4.1.1. With the exception of one soil sample (CF5-SS-4), the soil samples collected at Site 5 were not toxic to earthworms. Earthworms exposed to soil collected at CF5-SS-4 experienced 100 percent mortality. The earthworms exposed to all other surface soil samples produced cocoons in several test chambers and generally gained more weight than the earthworms in the control soil, indicating good health.

In general, the soil samples collected at Site 5 did not inhibit germination of the lettuce seed, with the exception of one sample (CF5-SS-4). Germination of lettuce seed exposed to soil from CF5-SS-4 was statistically different from the control sample. In addition, lettuce seed germination following exposure to one background soil sample (BSS01) was statistically different compared to its respective control sample.

Despite the statistical significance, germination in this sample was 79 percent, indicating minimal difference from controls. The germination in all remaining Site 5 surface soil samples exceeded 79 percent; therefore, it is concluded that germination of lettuce was not adversely affected by exposure to these soil samples. Additional information on the toxicity testing of site surface soil with *E. foetida* and *L. sativa* is included as Appendix J.

6.2.3.2 Surface Water and Sediment Potential or actual adverse ecological effects associated with the ECPCs in surface water and sediment adjacent to Site 5 are discussed separately for terrestrial wildlife and aquatic receptors. Both empirically calculated and field methods are used to evaluate effects.

Terrestrial Wildlife. Information on the toxicity of the surface water ECPCs to mammalian and avian wildlife species is listed in Appendix K. RTVs were selected for both lethal and sublethal effects, as described in paragraph 6.1.4.3. The RTVs are compared to the potential ECPC exposures to evaluate risks from exposure to the Site 5 surface water and sediment as presented in Section 6.2.4.2.

Aquatic Receptors. Effects to aquatic receptors were evaluated through the macroinvertebrate study, laboratory sediment toxicity testing, and comparison of detected ECPC concentrations with aquatic effects toxicity thresholds.

The results of the quantitative sampling and analyses of the benthic macroinvertebrate community at the Site 5 drainage ditch sampling stations (5-BIO-2, 5-BIO-3, and 5-BIO-4) and the upstream reference location (5-BIO-5) are provided in Subsection 5.2.4. The relationship between habitat quality and biological condition among the sampling stations, as compared to the regional reference station, is illustrated as a line graph in Figure 5-3. The macroinvertebrate communities sampled at one of the three locations in the drainage ditch adjacent to Site 5 (5-BIO-3) lies within the predictable condition of a macroinvertebrate community in response to quality of the available habitat. The macroinvertebrate communities sampled at a second location immediately adjacent to the site (5-BIO-2) is also within or above the predictable condition in response to habitat quality. Stations 5-BIO-4 and 5-BIO-5 fall just below the lower 95 percent confidence interval. The macroinvertebrate communities at these stations appears

Table 6-16
Results of Surface Soil Toxicity Testing

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Sample Location	Earthworm (*Eisenie foetida*)		Lettuce Seed (*Lactuca sativa*)
	Mean Mortality (%)	Weight change (%)	Germination (%)
BSS01 (Test 1)	2.5	-1.9	[1]8.3
BSS01 (Test 2)	7.5	-1.4	[1]0.0
CF5SS6	0	1.98	92
CF5SS4	[1]100	NA	[1]22
CF5SS2	0	-6.21	88
CF5SS9	0	10.83	90
CF5SS8	0	-6.77	89
CF5SS13	0	-1.58	[2]79
CF5SS14	2.5	6.25	91
CF5SS15	0	-3.31	92
CF5SS31	0	11.05	83
CF5SS26	0	3.85	91
CF5SS20	0	0.57	94
CF5SS19	0	-5.67	83
CF5SS21	2.5	8.13	93
CF5SS23	0	-1.77	84
CF5SS24	0	3.46	92
CF17SS10	0	5.96	94
CF17SS3	0	11.67	87
CF17SS6	0	2.79	93
CF17SS8	2.5	30.9	[1]59
CF17SS9	0	0.77	[1]69
CF17SS10	0	5.96	94
CF17SS11	2.5	28.1	88
CF17SS12	0	-4.19	93

[1] Statistically different from the control.
[2] Statistically different from the control. However, this difference is not considered to be biologically significant because the observed mortality is only slightly higher than control levels.

Notes: Toxicity testing methods and results (including controls) are described in Appendix J.

% = percent.

to be slightly lower than the expected condition, given the quality of the habitat.

Table 6-17 summarizes the results of the toxicity testing of the Site 5 tributary sediment samples. Results for the *Hyallela azteca* 14-day survival test were compared statistically to laboratory controls to determine significant results. Results for three sampling stations were significant (Table 6-17). Mortality of 76 percent, 64 percent, and 29 percent were observed for Stations 5-TOX-1, 5-TOX-3, and 5-TOX-4, respectively.

The results for the *C. dubia* test are difficult to compare statistically to control results. In general, test results are considered to be significant if there is less than 80 percent survival and less than 15 offspring per adult (Springborn Laboratories, 1993; 1994). Using this interpretation of the results, mortality was significant in *C. dubia* for one station (5-TOX-4) at 40 percent. A reduced number of offspring compared to the upstream reference (12) was observed for two of the stations (5-TOX-3 and 5-TOX-4) at 9 and 8, respectively. Reproduction was also suppressed in the upstream reference at 12 versus the threshold of 15.

Complete information on the sediment toxicity testing is presented in Appendix J. The toxicity testing results are considered in the weight-of-evidence evaluation of risks associated with sediment contamination in paragraph 6.2.4.3.

Information obtained from the USEPA AQUIRE database on the aquatic toxicity of the surface water and sediment ECPCs is included in Appendix K and is summarized in Table 6-18. This information is used qualitatively to discuss the known aquatic toxicity of the ECPCs and their potential association with any adverse responses observed in the toxicity testing and macroinvertebrate communities.

6.2.3.3 Groundwater The information for groundwater ECPCs available from the USEPA database AQUIRE (Appendix K) is summarized in Table 6-18. The table provides a summary of the toxicity testing information available from the AQUIRE search and the range of concentrations associated with lethal and sublethal effects to algae, invertebrates, fish, mollusks, and amphibians. For each ECPC, the effect concentrations from AQUIRE are compared with the exposure concentrations to evaluate potential risks (paragraph 6.2.4.4).

6.2.4 Risk Characterization Risks are characterized for contamination in surface soil, groundwater, surface water, and sediment of the Site 5 drainage ditch and adjacent wetland for terrestrial and wetland wildlife. Risks to aquatic receptors are characterized for contamination in groundwater, surface water, and sediment. Risks are characterized based upon the methodology provided in Subsection 6.1.5. The methodology represents an integrated approach using both field and theoretical methods to provide a measure of actual or potential risks.

6.2.4.1 Surface Soil Potential risks associated with exposures to ECPCs in surface soil at Site 5 are discussed separately for terrestrial wildlife and terrestrial plants and soil invertebrates. Risks to terrestrial wildlife are characterized by comparing potential dietary exposure (PDE) concentrations for each surface water and sediment ECPC with a respective RTV (estimated threshold for toxicity). Risks for terrestrial plants and soil invertebrates are evaluated based on the results of soil toxicity tests.

Table 6-17
Results of Sediment Toxicity Testing

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Sample Location	Waterflea (*Ceriodaphnia dubia*)		Amphipod (*Hyallela azteca*)
	Survival (%)	Reproduction (offspring per adult)	Survival (%)
5-TOX-1	80	[1]12	[1,2]24
5-TOX-2	100	17	100
5-TOX-3	80	[1]9	[1,2]36
5-TOX-4	[2]60	[1]8	[2]71
5-TOX-5	100	[1]11	90

[1] Considered to be substantially different than reference or control (i.e., biologically significant).
[2] Statistically different as compared to the reference control.

Notes: Toxicity testing methods and results are described in Appendix J.

% = percent.

Table 6-18
Toxicity of Surface Water and Groundwater ECPCs to Aquatic Receptors

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Invertebrates[1] (Lethal) (No. of studies/range)	Invertebrates[1] (Sublethal) (No. of studies/range)	Amphibians (Lethal) (No. of studies/range)	Amphibians (Sublethal) (No. of studies/range)	Mollusks (Lethal) (No. of studies/range)	Mollusks (Sublethal) (No. of studies/range)	Aquatic plants (Lethal) (No. of studies/range)	Aquatic plants (Sublethal) (No. of studies/-range)
Volatile Organic Compounds (μg/ℓ)								
Acetone	$36/5.5 \times 10^5$ to 3.5×10^8	$4/1.1 \times 10^6$ to 1.35×10^7	$2/2 \times 10^7$ to 2.4×10^7	NA	$6/7 \times 10^6$ to 4.8×10^7	NA	NA	$3/3.4 \times 10^6$ to 7×10^6
2-Butanone	$4/7 \times 10^4$ to 8.9×10^6	$1/5.1 \times 10^6$	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	$1/4.3 \times 10^6$	$7/7.8 \times 10^3$ to 5×10^5	NA	NA	NA	NA	NA	$2/9.8 \times 10^6$ to 2×10^8
Toluene	$7/1 \times 10^4$ to 4.7×10^5	$10/5.3 \times 10^1$ to 8.4×10^4	NA	NA	NA	NA	NA	$5/9.4 \times 10^3$ to 2.5×10^5
Xylenes (total)	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (μg/ℓ)								
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)-phthalate	$16/3.2 \times 10^0$ to 6.8×10^4	$18/2.5 \times 10^0$ to 8.1×10^2	$4/3.9 \times 10^3$ to 4.4×10^3	$1/8.9 \times 10^{-1}$ to 1.9×10^2	NA	NA	NA	$8/3.2 \times 10^2$
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	$1/2 \times 10^6$
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides and PCBs (μg/ℓ)								
alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA

See notes at end of table.

Table 6-18 (Continued)
Toxicity of Surface Water and Groundwater ECPCs to Aquatic Receptors

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Invertebrates[1] (Lethal) (No. of studies/ range)	Invertebrates[1] (Sublethal) (No. of studies/range)	Amphibians (Lethal) (No. of studies/range)	Amphibians (Sublethal) (No. of studies/range)	Mollusks (Lethal) (No. of studies/range)	Mollusks (Sublethal) (No. of studies/range)	Aquatic plants (Lethal) (No. of studies/range)	Aquatic plants (Sublethal) (No. of studies/ range)
Inorganic Compounds ($\mu g/\ell$)								
Aluminum	$5/2.4 \times 10^3$ to 1×10^6	$12/5 \times 10^2$ to 1.7×10^5	$2/5 \times 10^1$ to 2.3×10^3	NA	NA	$2/1 \times 10^2$ to 1×10^3	NA	$4/2.5 \times 10^3$ to 1.3×10^4
Barium	$3/6.8 \times 10^4$ to 5.3×10^5	NA	NA	NA	NA	NA	NA	$5/2.6 \times 10^4$ to 1.1×10^5
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	$135/5 \times 10^{-1}$ to 9×10^6	$14/3.2 \times 10^{-1}$ to 1×10^4	NA	NA	$14/8 \times 10^1$ to 1×10^4	$6/5 \times 10^1$ to 1×10^4	NA	$15/2.9 \times 10^0$ to 8.1×10^5
Chromium	$12/5 \times 10^0$ to 9×10^5	$9/5 \times 10^0$ to 1.1×10^5	NA	NA	NA	NA	NA	$6/1 \times 10^2$ to 3.5×10^4
Cobalt	$4/8 \times 10^3$ to 6×10^5	NA	NA	NA	NA	NA	NA	NA
Copper	$147/1.5 \times 10^0$ to 2.4×10^4	$18/1.5 \times 10^0$ to 1.8×10^3	NA	NA	$3/5 \times 10^3$	$3/2.5 \times 10^2$ to 1×10^3	$3/6 \times 10^3$	$9/1.6 \times 10^1$ to 1.8×10^3
Iron	NA	$1/1 \times 10^3$ to 5×10^4	NA	NA	NA	NA	NA	$1/3.7 \times 10^3$
Lead	$7/5.3 \times 10^2$ to 1.6×10^5	$3/2 \times 10^1$ to 1×10^3	[2]$1/1 \times 10^3$	NA	NA	NA	NA	$6/8.7 \times 10^3$ to 8.1×10^5
Manganese	$4/7 \times 10^4$ to 2×10^6	NA	NA	NA	NA	NA	NA	$2/2.8 \times 10^2$ to 3.1×10^4
Mercury	$53/5.1 \times 10^{-1}$ to 3.2×10^4	NA	NA	NA	$6/5 \times 10^2$ to 1×10^4	NA	$6/1.7 \times 10^2$ to 1.2×10^4	NA
Selenium	$13/7 \times 10^1$ to 1.6×10^4	$9/1.6 \times 10^2$ to 1.4×10^4	NA	NA	NA	NA	NA	$1/2.4 \times 10^3$
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	$19/6.8 \times 10^1$ to 5.1×10^4	$8/1.7 \times 10^1$ to 1×10^4	NA	NA	NA	NA	NA	$7/1.5 \times 10^1$ to 9.8×10^4

[1] Mollusks were considered independently of other invertebrates (i.e., worms and insects).
[2] This value is also the lowest adverse effect concentration for sublethal (developmental) effects in toads.

Notes: Only values reflecting risk assessment endpoints (growth, reproduction, and mortality) were selected for risk evaluation.
Toxicity information was retrieved from Aquatic Information Retrieval (AQUIRE) and is included as Appendix K.

/ = per.
$\mu g/\ell$ = micrograms per liter.
NA = not available.
PCBs = polychlorinated biphenyls.

Terrestrial Wildlife. The lethal and sublethal HIs and HQs calculated based on maximum exposure point concentrations for each soil ECPCs for each representative wildlife species are provided in Appendix L. All HIs and HQs are less than 1, indicating no potential adverse effects to wildlife as a result of exposure to the ECPCs in surface soil at Site 5. Because the HIs using maximum exposure point concentrations did not exceed 1, it was not necessary to calculate HIs associated with the average EPCs.

Lethal effect HIs ranged from 0.011 for the great-horned owl to 0.093 for the cotton mouse. The sublethal effect HIs ranged from 0.018 for both the red fox and the American woodcock to 0.92 for the short-tailed shrew.

Terrestrial Plants and Soil Invertebrates. With the exception of one sample (CF5-SS-4), the soil samples collected at Site 5 were not toxic to *E. foetida*. The earthworms exposed to the surface soil samples produced cocoons in several test chambers and generally gained more weight than the earthworms in the control soil, indicating good health. Worms at CF5-SS-4 experienced 100 percent mortality. The soil samples from Site 5 were also not toxic to *L. sativa*, with the exception of sample CF5-SS-4. Based on the results of the toxicity testing, it is assumed that with the exception of soil at CF5-SS-4, the contamination present in surface soil at Site 5 does not present an unacceptable risk for terrestrial plants or soil invertebrates.

Station CF5-SS-4 is characterized by concentrations of TPH and Aroclor-1260 well above any other surface soil sampling location at Site 5. Aroclor-1260 was detected at 2.2 mg/kg and TPH was detected at 28,000 mg/kg at this station. Appendix P presents a series of simple linear regression analyses evaluating statistical relationships between biological effects observed in the surface soil bioassays and concentrations of selected analytes in Site 5 surface soil. Selected analytes include 4,4'-DDT, Aroclor-1260, TPH, TOC, and lead. These analyses suggest that concentrations of TPH and Aroclor-1260 are both positively correlated with lettuce seed germination with R^2 values of 0.94 (TPH) and 0.86 (PCBs). As concentrations of either TPH or Aroclor-1260 increase (i.e., at Station CF5-SS-4), lettuce seed germination rates decrease.

To further evaluate causal relationships between TPH and Aroclor-1260 at Site 5, a second series of simple linear regressions was completed using all Site 5 TPH and PCB data with the exception of the data from the perceived "hot-spot" at CF5-SS-4. These analyses indicated that the positive correlation between observed effects and contamination was much less apparent (i.e., the elevated concentrations of TRPH and PCBs in CF5-SS-4 appear to be the primary influence in the observed positive correlation at Site 5). These analyses suggest that elevated concentrations of TPH and Aroclor-1260 at Station CF5-SS-4 have the potential to impact the plant and invertebrate communities at Site 5.

6.2.4.2 **Surface Water** Potential risks associated with the ECPCs in surface water of the Site 5 drainage ditch and wetland are characterized for both wildlife and aquatic receptors. The risk characterization methodology is described in paragraph 6.1.5.2. Risks for terrestrial and wetland wildlife are characterized by comparing PDE concentrations for surface water ECPCs with a respective RTV (estimated threshold for toxicity). Risks for aquatic life are characterized based on field measurements and comparison of exposure concentrations of the ECPCs in surface water samples with respective TBVs or standards (Table 6-19).

Table 6-19
Comparison of Site 5 Surface Water ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Drainage Ditch				Wetland		Upstream	FDEP Class III Fresh Water Quality Standards[1] (µg/ℓ)	AWQC[2] (µg/ℓ)	AQUIRE Lowest Reported Adverse Effect Concentration[3] (µg/ℓ) / Test Species	Result
	5-SW1	5-SW2	5-SW3	5-SW4	5-SW6	5-SW7	5-SW5				
Volatile Organic Compounds (µg/ℓ)											
Acetone	ND	14	16	10	ND	ND	16	NA	NA	550,000 / water flea	
4-Methyl-2-pentanone	3	ND	ND	ND	ND	ND	ND	NA	NA	7,800 / water flea	
Inorganic Compounds (µg/ℓ)											
Aluminum	658	766	149	2,320	365	552	738	NA	87	[4] 50 / narrow-mouthed frog	Exceeds
Barium	20.7	22.7	16.2	48.6	26.9	27.6	14.2	NA	NA	26,000 / duckweed	
Iron	3,610	2,760	1,250	1,680	153	263	1,260	1,000	1,000	3,700 / duckweed	Exceeds
Lead	2.9	2.3	ND	6.4	ND	ND	1.2	[5] 0.54	[5] 0.5	530 / water flea	Exceeds
Manganese	35.5	9.1	8	9.1	41.6	35.8	9.2	NA	NA	280 / phytoplankton	
Vanadium	44.3	6.5	ND	2.5	ND	ND	ND	NA	NA	NA	No TBV

[1] Chapter 17-302, Surface Water Quality Standards (Florida Legislature, 1993)
[2] Federal Ambient Water Quality Chronic Criteria (U.S. Environmental Protection Agency [USEPA], 1991c; 1988c).
[3] From Table 6-18. Only growth, mortality, and reproductive effects to plants, invertebrates, or reptiles/amphibians were considered.
[4] Value for aluminum as aluminum chloride.
[5] Criteria calculated based on a recommended site (drainage ditch) hardness concentration of 25 milligrams per liter (mg/ℓ) as calcium carbonate ($CaCO_3$) (actual site hardness concentration was 18.2 mg/ℓ as $CaCO_3$).

Notes: Results of analyses of surface water samples included in Appendix A.
ECPC = ecological contaminant of potential concern.
FDEP = Florida Department of Environmental Protection.
µg/ℓ = micrograms per liter.
AWQC = Ambient Water Quality Criteria (guidance criteria established under the Clean Water Act).
AQUIRE = Aquatic Information Retrieval.
ND = not detected.
NA = not available.
= detection exceeds the most conservative criteria or no criteria exists.
TBV = toxicity benchmark value

Terrestrial and Wetland Wildlife. Risks for the representative wildlife species associated with ingestion of surface water, potentially contaminated aquatic life, and sediment are quantitatively evaluated using HQs, which are calculated for each ECPC for lethal and sublethal effects by dividing the estimated contaminant exposure concentration by the lethal and sublethal RTVs. Lethal and sublethal HIs are determined for each representative wildlife species by summing the HQs for all ECPCs.

Drainage Ditch. The lethal and sublethal HIs and HQs calculated for each of the representative wildlife species from exposure to drainage ditch surface water and sediment ECPCs are provided in Appendix M. All HIs and HQs are less than 1, indicating no potential adverse effects to wildlife as a result of exposure to the ECPCs in surface water at the Site 5 drainage ditch. Because the HIs for maximum exposure point concentrations did not exceed 1, it was not necessary to calculate HQs associated with exposure to the average EPC.

Lethal effect HIs ranged from 0.0059 for the rufous-sided towhee to 0.13 for the raccoon, and sublethal effect HIs ranged from 0.0052 for the rufous-sided towhee to 0.21 for the great blue heron.

Wetland. The lethal and sublethal HIs and HQs calculated for each of the representative wildlife species from exposure to ECPCs in wetland surface water and sediment are provided in Appendix N, Tables N-1 through N-6. All HIs and HQs are less than 1, indicating no potential adverse effects to wildlife as a result of exposure to the ECPCs in surface water at the Site 5 drainage ditch. Because the HIs using maximum EPCs did not exceed 1, it was not necessary to calculate HIs using average EPCs.

Lethal effect HIs ranged from 0.0010 for the great horned owl to 0.84 for the raccoon, and sublethal effect HIs ranged from 0.00037 for the great horned owl to 0.65 for the short-tailed shrew.

Aquatic Receptors. Risks for aquatic receptors resulting from exposure to ECPCs in drainage ditch surface water are characterized based on field measurements of the structure and function of the benthic macroinvertebrate communities. Risks are also characterized based upon comparison of the exposure concentrations of the ECPCs in surface water samples with respective toxicity benchmarks or standards.

There are no apparent trends in the status of the benthic macroinvertebrate community in the Site 5 drainage ditch adjacent to and downstream of Site 5. Two stations (including the upstream reference) fell below the expected condition given the quality of the habitat present. It could not be concluded that contamination in surface water from Site 5 was contributing to the decreased condition observed at the downstream sampling station. The only trend in community structure was a decrease in the percent of the taxa as Chironomids with distance downstream of the site.

Comparison of the concentrations of ECPCs in surface water with available surface water criteria and guidelines indicates that aluminum concentrations in the drainage ditch, wetland, and upstream sample (5-SW5) exceeded all available criteria and guidelines. In addition, iron and lead concentrations in the drainage ditch and upstream sample exceeded criteria and guidelines. No surface water TBVs were available for vanadium (Table 6-19).

6.2.4.3 **Sediment** Potential risks are characterized for contamination in sediment in the drainage ditch adjacent to Site 5 for both wildlife and aquatic receptors. The risk characterization methodology is described in paragraph 6.1.5.2.

Terrestrial Wildlife. The lethal and sublethal HIs and HQs calculated for each of the representative wildlife species for exposures related to both surface water and sediment ECPCs have been discussed in the previous section (paragraph 6.2.4.2).

Aquatic Receptors. Risks for aquatic receptors in the Site 5 drainage ditch associated with ECPCs in sediment are characterized for each sampling location (5-SD-1 through 5-SD-5) based on the approach outlined in Subsection 6.1.5. The sediment samples for toxicity testing and chemical analyses were gathered from a split sample of sediment. Sampling of the macroinvertebrate community was completed at the same location and time as the sediment sampling. This sampling design allows for comparison of the biological responses with the measured concentrations of analytes in the sediment samples. Twenty-two analytes detected in sediment samples from the Site 5 drainage ditch were selected as ECPCs for aquatic life. These ECPCs included six VOAs, two phthalic esters, two PAHs, three pesticide residues, a PCB, and seven inorganics. An evaluation of the weight of evidence from the biological and chemical data is summarized in Table 6-20 and discussed below.

It is difficult to discern from the sampling data (either the Ponar or dip net) whether or not the lower metric values at Site 5 are due to habitat differences, external influences, or a combination of the two. A review of the habitat quality parameter data (Table 5-7) suggests that habitat quality conditions throughout this drainage ditch, including the upstream reference station, represent a stressful situation for many types of aquatic organisms. Furthermore, the highly variable conditions associated with ephemeral streams such as the Site 5 drainage ditch are not representative of aquatic habitat for which available bioassessment protocols were designed to evaluate; only certain types of aquatic taxa are adapted to exploit these habitats.

There are no apparent trends in the status of the benthic macroinvertebrate community in the Site 5 drainage ditch adjacent to and downstream of Site 5. Two stations fell below the expected condition given the quality of the habitat present including the upstream reference. It could not be concluded that the sediment contamination was contributing to the decreased condition observed at the downstream sampling stations. The only trend in community structure was a decrease in the percent of the taxa as Chironomids with distance downstream of the site.

Sediment collected from three of the four stations adjacent to and downstream of Site 5 were toxic to one or both of the test organisms in the laboratory bioassays. Toxicity was not observed for the upstream sediment sample (5-TOX-5). Significant mortality (76 percent) was observed in the amphipod test at the Station 5-TOX-1 sediment sample. This sampling station is located immediately adjacent to Site 5. Mortality of 64 percent and 29 percent was observed in amphipods exposed to downstream sediment from Station 5-TOX-3 and 5-TOX-4, respectively.

Table 6-20
Summary of Risk Characterization for Aquatic Receptors, Site 5

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Sampling Location	Biological Parameters		ECPCs		Interpretation of Weight-of-Evidence
	Sediment Laboratory Toxicity Testing	Benthic Community Composition[1]	Surface Water	Sediment	
CF5-SW/SD/BIO/TOX-1	76 percent amphipod mortality	Not tested	Al, Fe, Pb, Vn	PAH, DDD, Aroclor-1260, TPH	Sediment toxic to certain benthic receptors. Toxicity may be associated with exposure to DDT_R, PAH, or TPH in sediment.
CF5-SW/SD/BIO/TOX-2	No toxicity	Enriched condition	Al, Fe, Pb, Vn	Aroclor-1260, TPH	No significant risk estimated
CF5-SW/SD/BIO/TOX-3	64 percent amphipod mortality. *C. dubia* reproduction depressed compared to reference.	Expected condition	Al, Fe	DDD, DDE, DDT, Aroclor-1260, TPH	Sediment toxic to certain benthic receptors. Toxicity may be associated with exposure to DDT_R or TPH in sediment.
CF5-SW/SD/BIO/TOX-4	40 percent waterflea mortality. 29 percent amphipod mortality. *C. dubia* reproduction depressed compared to reference.	Less than expected condition.	Al, Fe, Pb, Vn	TPH	Sediment toxic to certain benthic receptors. Toxicity may be associated with exposure to TPH in sediment.
CF5-SW/SD/BIO/TOX-5	No toxicity	Less than expected condition.	Al, Fe, Pb		Upstream reference benthic community with lower condition than expected.
CF5-SW/SD-6	Not tested	Not tested	Al	Pb	No significant risks estimated
CF5-SW/SD-7	Not tested	Not tested	Al		No significant risks estimated

[1] Macroinvertebrate data interpretation confounded by lack of suitable reference location, and overall poor habitat quality.

Notes: ECPCs = ecological contaminants of potential concern.
Al = aluminum.
Fe = iron.
Pb = lead.
Vn = vanadium.
PAH = polynuclear aromatic hydrocarbon.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
TPH = total petroleum hydrocarbon.
DDD_R = total 4,4'-DDT, 4,4'-DDD, and 4,4'-DDE

Mortality was also significant in *C. dubia* at Station 5-TOX-4 at 40 percent. No significant daphnid mortality was observed at any other drainage ditch station, although limited mortality was observed at 5-TOX-1 and 5-TOX-3. Reproduction of *C. dubia* was depressed in comparison with a threshold of 15 at Stations 5-TOX-1, 5-TOX-3, and 5-TOX-4, as well as at the upstream reference 5-TOX-5. In comparison to the upstream reference, *C. dubia* reproduction was slightly depressed at Stations 5-TOX-3 and 5-TOX-4.

Based on the results of the laboratory sediment bioassays, impacts to survival of certain invertebrate receptors may be occurring in the Site 5 drainage ditch. This suggests that the mixture of contamination in the sediment may be toxic to aquatic life. Figure 6-4 includes a summary of selected ECPC concentrations and toxicological results at the Site 5 wetland and drainage ditch.

A comparison of sediment guidelines with site chemical data (Table 6-21) reveals that fluorene, 2-methylnaphthalene, naphthalene, 4,4'-dichlorodiphenyldichloroethane (4,4'-DDD), dichlorodiphenyldichloroethene (4,4'-DDE), dichlorodiphenyltrichloroethane (4,4'-DDT), and Aroclor-1260 concentrations in the drainage ditch exceeded available sediment guidelines. Furthermore, lead and mercury concentrations in the wetland exceed certain sediment guidelines. No NOAA ER-L or OME LEL guidelines were available for any VOCs, phthalates, 4-methylphenol, aluminum, barium, or beryllium.

To determine which contaminants measured in the Site 5 tributary sediment may be possible causative agents for the observed toxicity, simple linear regressions were completed for selected analytes. Analytes were selected for regression analysis if concentrations in Site 5 sediment were above background concentrations and available screening values (e.g., Aroclor-1260, PAHs, and total DDT [DDT_R; the sum of 4,4'-DDT, 4,4'-DDD, and 4,4'-DDE]), or if concentrations were elevated above background and no sediment screening values are available (e.g., TPH, barium, vanadium, and aluminum). The regressions compared the observed responses in the bioassays (amphipod mortality, *daphnid* survival, and *daphnid* reproduction) to concentrations of DDT_R, PCBs, and TPH in sediment (Appendix Q). There were several contaminants detected at only one or two stations for which regressions were not possible. The potential influence of these contaminants is discussed in the following paragraphs.

Because VOCs are generally only toxic to aquatic receptors at elevated concentrations, it is unlikely that VOCs are substantially responsible for the observed toxicity test impacts. The observed VOCs were all detected at concentrations several orders of magnitude below known water effects concentrations; VOCs would likely be toxic at similar or higher concentrations in sediment because bioavailability, and resulting toxicity, is likely to be more limited in sediment that in surface water (see AQUIRE data presented in Appendix K).

Both PAHs (2-methylnaphthalene and naphthalene) were detected in only one of the four samples evaluated (5-SD-1). Amphipod survival at this station was significantly lower than controls, whereas daphnid survival was only slightly lower than controls. It is conceivable that PAHs could be contributing to the mortality that was observed in daphnid and amphipod laboratory bioassays at 5-SD-1. Di-n-octyl phthalate and bis(2-ethylhexyl)phthalate were also detected in only one of the four samples evaluated (5-SD-4). These contaminants are likely

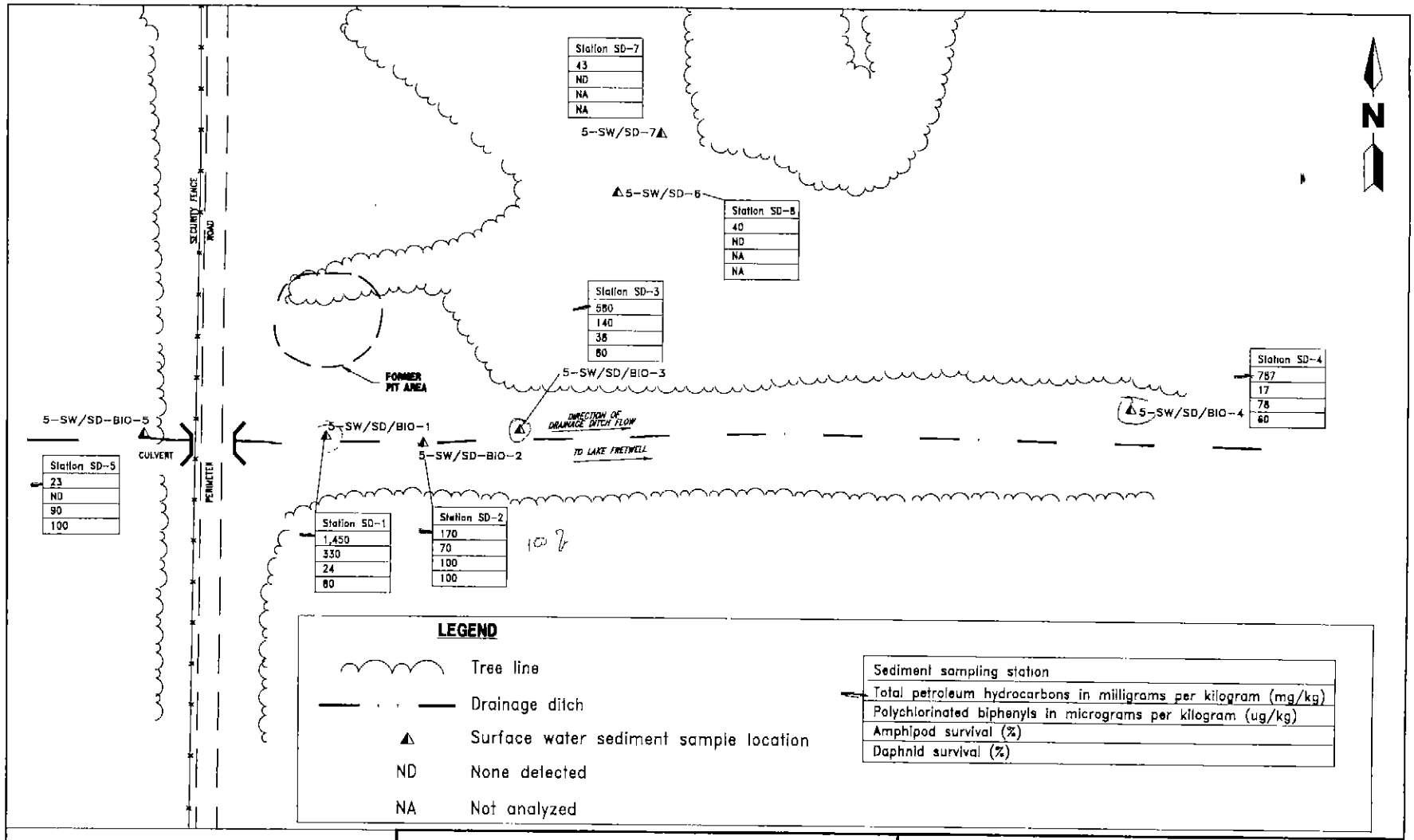

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FIGURE 6-4
SUMMARY OF SELECTED ECPC CONCENTRATIONS AND TOXICOLOGICAL RESULTS AT THE SITE 5 WETLAND DRAINAGE DITCH

BASELINE RISK ASSESSMENT, OPERABLE UNIT 2

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Table 6-21
Comparison of Site 5 Sediment ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Drainage Ditch				Wetland		Upstream	NOAA[1]		OME LEL[2]	USEPA SQGs[3]	Result
	5-SD-1	5-SD-2	5-SD-3	5-SD-4	5-SD-6	5-SD-7	5-SD-5	ER-L	ER-M			
Volatile Organic Compounds (µg/kg)												
Acetone	42	13	13	110	ND	830	24	NA	NA	NA	NA	No TBV
2-Butanone	ND	ND	ND	29	ND	ND	4	NA	NA	NA	NA	No TBV
Ethylbenzene	9	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	No TBV
Methylene chloride	ND	ND	ND	11	ND	ND	ND	NA	NA	NA	NA	No TBV
Toluene	8	20	13	ND	ND	ND	ND	NA	NA	NA	NA	No TBV
Xylenes (total)	53	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	No TBV
Semivolatile Organic Compounds (µg/kg)												
Di-n-octylphthalate	ND	ND	ND	410	ND	ND	ND	NA	NA	NA	NA	No TBV
bis(2-Ethylhexyl)phthalate	ND	ND	ND	1,900	ND	ND	ND	NA	NA	NA	NA	No TBV
Fluorene	230	ND	ND	ND	ND	ND	ND	19	540	NA	NA	Exceeds
2-Methylnaphthalene	1,500	ND	ND	ND	ND	ND	ND	70	670	NA	NA	Exceeds
4-Methylphenol	ND	75	66	ND	ND	ND	ND	NA	NA	NA	NA	No TBV
Naphthalene	1,100	ND	ND	ND	ND	ND	ND	160	2,100	NA	NA	Exceeds
Total PAH	2,830	ND	ND	ND	ND	ND	ND	4,022	44,792	NA	NA	

See notes at end of table.

Table 6-21 (Continued)
Comparison of Site 5 Sediment ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Drainage Ditch				Wetland		Upstream	NOAA[1]		OME LEL[2]	USEPA SQGs[3]	Result
	5-SD-1	5-SD-2	5-SD-3	5-SD-4	5-SD-6	5-SD-7	5-SD-5	ER-L	ER-M			
Pesticides and PCBs (µg/kg)												
4,4-DDD	27	ND	8	ND	ND	ND	ND	1.6	46.1	8	[4] 8.28	Exceeds
4,4-DDE	ND	ND	3.7	ND	ND	ND	ND	2.2	27	5	[4] 8.28	Exceeds
4,4-DDT	ND	ND	8.6	ND	ND	ND	ND	1.6	46.1	8	8.28	Exceeds
Aroclor-1260	330	70	140	R	ND	ND	ND	22.7	180	5	[5] 195	Exceeds
Inorganic Compounds (mg/kg)												
Aluminum	1,210	693	1,970	11,000	7,060	12,700	366	NA	NA	NA	NA	No TBV
Arsenic	ND	ND	ND	ND	2.6	4.5	ND	8.2	70	6	NA	
Barium	7.2	4.7	11.2	55.4	18.7	27.5	3	NA	NA	NA	NA	No TBV
Beryllium	0.16	ND	ND	ND	ND	0.63	ND	NA	NA	NA	NA	No TBV
Chromium	1.4	0.92	2.6	10	10.9	16.7	ND	81	370	26	NA	
Copper	ND	ND	ND	ND	3.7	ND	ND	34	270	16	NA	
Iron	141	127	203	3,370	1,470	2,730	72.9	NA	NA	20,000	NA	
Lead	6.4	3	7.8	25	101	129	R	47	218	31	NA	Exceeds
Manganese	0.91	ND	ND	8.7	5.1	13	0.51	NA	NA	460	NA	
Mercury	ND	ND	ND	ND	0.09	0.17	ND	0.15	0.71	0.2	NA	Exceeds
Vanadium	ND	1.5	3.5	9.3	10.2	ND	ND	NA	NA	NA	NA	No TBV
Zinc	3.9	ND	ND	39.1	45.5	81.8	0.68	150	410	120	NA	

See notes at end of table.

Table 6-21 (Continued)
Comparison of Site 5 Sediment ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Drainage Ditch				Wetland		Upstream	NOAA[1]		OME LEL[2]	USEPA SQGs[3]	Result
	5-SD-1	5-SD-2	5-SD-3	5-SD-4	5-SD-6	5-SD-7	5-SD-5	ER-L	ER-M			
Other (mg/kg)												
TPH	1,450	170	550	717	40	43	23	NA	NA	NA	NA	No TBV

[1] National Oceanic and Atmospheric Administration (NOAA) Effects Range-Low (ER-L) and Effects Range-Median (ER-M) Sediment Guidelines correspond to the concentration that is protective to 90 percent of the population and 50 percent of the population, respectively (Long and others, 1993).
[2] Ontario Ministry of the Environment (OME) Low Effects Level (LEL) Provincial Sediment Quality Guidelines (Persaud and others, 1992) correspond to a concentration that can be tolerated by the majority of benthic organisms.
[3] U.S. Environmental Protection Agency (USEPA, 1988c) mean Sediment Quality Criteria (SQCs) values at 1 percent total organic carbon (TOC). All values represent Final Residue Values (FRVs).
[4] Value for 4,4'-DDT used as a surrogate.
[5] Value for Aroclor-1254 used as surrogate.

Notes: Results of analyses of sediment samples included in Appendix A.
ECPC = ecological contaminant of potential concern.
NOAA = National Oceanic and Atmospheric Administration.
ER-L = Effects Range-Low.
ER-M = Effects Range-Medium.
OME = Ontario Ministry of the Environment.
LEL = Low Effects Level.
USEPA = U.S. Environmental Protection Agency.
SQGs = Sediment Quality Guidelines.
μg/kg = micrograms per kilogram.
ND = not detected.
NA = not available.
TBV = toxicity benchmark value.
= detection exceeds the most conservative screening value or no screening value exists.
PAH = polynuclear aromatic hydrocarbon.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.
R = rejected data.
TPH = total petroleum hydrocarbons.

to be laboratory contaminants rather than site-related contaminants, and it is unlikely that they are responsible for the observed daphnid and amphipod mortality in the 5-SD-4 sample.

The pesticides 4,4'-DDT, 4,4'-DDD, and 4,4'-DDE were all detected in samples from 5-SD-3. Low levels of 4,4'-DDD were also detected in samples from 5-SD-1 (27 μg/kg). The low survivorship of amphipods exposed to sediment from 5-SD-3 and 5-SD-1 may be related to the presence of these pesticide residues. However, the combined levels of all three analytes at 5-SD-3 is 20.3 μg/kg, only slightly above known freshwater effects screening levels for DDT_R. For instance, the OME Low Effect Level for DDE and DDT is between 5 and 8 μg/kg (Persaud and others, 1992); this value represents a level of contamination tolerated by a majority of evaluated freshwater organisms in the Great Lakes. NOAA ER-L values for these three pesticide values range from 2.2 to 6. Based on this limited review of applicable sediment quality guidelines, it is unlikely that DDT_R is the primary contributor to observed laboratory bioassay mortality at the Site 5 drainage ditch locations.

Nonetheless, a statistical analysis evaluating correlations between effects noted in the bioassays and DDT_R indicated that both daphnid and amphipod mortality at the Site 5 drainage ditch are positively correlated with concentrations of DDT_R (Appendix Q). The correlation coefficient for DDT_R and daphnid survival (R^2 = 0.38) was lower than the correlation coefficient for DDT_R and amphipod mortality (R^2 = 0.68), suggesting that DDT_R may be contributing to observed amphipod mortality in the laboratory bioassays.

Aroclor-1260 was detected at low levels in three of the four downgradient sediment samples from Site 5. The generally decreasing concentrations of this analyte suggest that it may be site related. The statistical analyses evaluating correlations between effects noted in the bioassays and Aroclor-1260 concentrations (Appendix Q) revealed that both daphnid and amphipod mortality at the Site 5 drainage ditch are positively correlated with concentrations of Aroclor-1260. The correlation coefficient for Aroclor-1260 and daphnid survival (R^2 = 0.31) was lower than the correlation coefficient for Aroclor-1260 and amphipod mortality (R^2 = 0.65), suggesting that, in addition to DDT_R, Aroclor-1260 may be contributing to observed amphipod mortality in the laboratory bioassays.

Although several inorganics are elevated above upgradient concentrations, based on the results of the correlation analysis (Appendix Q), none of these analytes appears to be substantial contributors to the observed mortality in the sediment laboratory bioassays. Low correlation coefficients (i.e., R^2 less than 0.5) were observed for all inorganics when regressed against amphipod mortality. Although positive correlations were observed between daphnid survival and concentrations of three inorganics (aluminum R^2 = 0.75, barium R^2 = 0.75, and vanadium R^2 0.77), concentrations of these inorganics were all highest at 5-SD-4, the sediment sampling station farthest from Site 5. Aluminum and barium were detected at all four downgradient sediment sampling stations; aluminum concentrations ranged from 693 (5-SD-2) to 11,000 mg/kg (5-SD-4) and barium concentrations ranged from 4.7 to 55.4 mg/kg. Vanadium was detected in three of the four downgradient stations at concentrations ranging from 1.5 to 9.3 mg/kg. No sediment quality screening values are available for any of these three analytes. Beryllium was detected in one of the four downgradient stations (5-SD-1) at an estimated concentration of 0.16 mg/kg.

Iron was detected in all four sampling stations at a maximum concentration of 3,370 mg/kg. This is well below the available sediment quality screening guidelines (i.e., the OME low effect level for iron in Great Lake sediment is 20,000 mg/kg) (Persaud and others, 1992). Likewise, although lead was detected in all four downgradient samples, the maximum concentration (25 mg/kg) is unlikely to be a significant risk contributor in the Site 5 drainage ditch. Available sediment quality guidelines for lead range from the NOAA ER-L of 47 mg/kg (Long and Morgan, 1992) to the OME Severe Effect Level of 250 mg/kg (Persaud and others, 1992). Lastly, manganese was detected in two of the four downgradient samples at a maximum concentration of 8.7 mg/kg, well below the OME Low Effects Level (460 mg/kg).

TPH was detected in all Site 5 drainage ditch samples, including the upgradient reference station, at concentrations ranging from 23 mg/kg (CF5-SD-5) to 1,450 mg/kg (CF5-SD-1). The statistical analyses evaluating correlations between effects noted in the bioassays and TPH concentrations (Appendix Q) revealed that both daphnid and amphipod mortality at the Site 5 drainage ditch are positively correlated with concentrations of TPH in sediment. The correlation coefficient for TPH and daphnid survival (R^2 = 0.35) was lower than the correlation coefficient for TPH and amphipod mortality (R^2 = 0.70), suggesting that, in addition to DDT_R and Aroclor-1260, TPH may be contributing to observed amphipod mortality in the laboratory bioassays.

Because the composition of petroleum contamination is highly variable from site to site, no sediment quality guidelines are available for TPH; however, elevated concentrations of TPH are known to adversely affect aquatic and wetland organisms. Alexander (1982) prepared a summary paper analyzing effects of petroleum contamination on wetland, fish, and wildlife. This analysis suggested that although long-term effects of petroleum contamination are poorly understood, impacts of oil contamination vary among species and types of oils. A recent paper by Mahaney (1994) suggests that freshwater petroleum contamination may have significant effects on amphibian reproduction. This study found that engine crankcase oil adversely affected egg metamorphosis, hatching, and tadpole growth in the green treefrog (*Hyla cinearea*), a species likely to occur at the Site 5 wetland and drainage ditch. A second study evaluating amphibian exposure to petroleum products was conducted by McGrath and Alexander (1979). This study found that larval bullfrogs (*Rana catesbeiana*) exposed to No. 6 crude oil exhibited a number of adverse responses, including various behavioral aberrations.

These results suggest that aquatic receptors in the Site 5 drainage ditch may be impacted by several contaminants in sediment, including DDT_R, Aroclor-1260, and TPH.

6.2.4.4 Groundwater The predicted maximum and average exposure concentrations for the ECPCs in the Site 5 diluted and undiluted groundwater were compared to available toxicity benchmarks, including State of Florida Surface Water Quality Standards for Class III waters (Florida Legislature, 1993), AWQC (USEPA, 1988d; 1991g), and AQUIRE values. Comparisons of diluted groundwater ECPC concentrations to benchmark values are presented in Table 6-22, and those for undiluted groundwater are presented in Table 6-23. These comparisons were made to evaluate future groundwater discharges to the Site 5 wetland surface water. They represent, respectively, conservative and ultra-conservative estimates of risk.

Table 6-22
Comparison of Site 5 Diluted Groundwater ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Exposure Point Concentration		FDEP Class III Fresh Water Quality Standards[1] (µg/ℓ)	AWQC[2] (µg/ℓ)	AQUIRE Lowest Reported Adverse Effect Concentration[3] (µg/ℓ) / Test Species	Result
	Average	Maximum				
Volatile Organic Compounds (µg/ℓ)						
Acetone	28.6	527	NA	NA	550,000 / water flea	
2-Butanone	1.38	5.00	NA	NA	70,000 / water flea	
2-Hexanone	0.769	1.90	NA	NA	NA	No TBV
4-Methyl-2-pentanone	1.64	6.51	NA	NA	7,800 / water flea	
Toluene	2.11	11.2	NA	NA	1,000 / water flea	
Xylenes (total)	2.03	12.4	NA	NA	NA	No TBV
Semivolatiles (µg/ℓ)						
2,4-Dimethylphenol	1.47	2.39	([4])	NA	NA	
bis(2-Ethylhexyl)-phthalate	3.89	4.14	3.0	[5] 360	0.89 / moorfrog	Exceeds
2-Methylnaphthalene	3.97	7.19	NA	NA	2,000,000 / green algae	
2-Methylphenol	1.28	1.97	([4])	NA	NA	No TBV
4-Methylphenol	8.12	31.5	([4])	NA	NA	No TBV
Naphthalene	4.18	14.0	NA	620	NA	
Pesticides and PCBs (µg/ℓ)						
alpha-Chlordane	0.009	0.009	0.00059	0.0043	NA	Exceeds
Inorganic Compounds (µg/ℓ)						
Aluminum	6,232	31,238	NA	87	[6] 50 / narrow-mouthed frog	Exceeds
Barium	8.56	11.6	NA	NA	26,000 / duckweed	
Beryllium	0.17	0.20	0.13	[7] 5.3	NA	Exceeds
Cadmium	0.17	0.19	[8] 0.4	[8] 0.4	0.32 / water flea	
Chromium	4.64	11.6	11	11	5 / water flea	Exceeds
Cobalt	1.30	1.30	NA	NA	8,000 / scud	

See notes at end of table

Table 6-22 (Continued)
Comparison of Site 5 Diluted Groundwater ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Exposure Point Concentration		FDEP Class III Fresh Water Quality Standards[1] (µg/ℓ)	AWQC[2] (µg/ℓ)	AQUIRE Lowest Reported Adverse Effect Concentration[3] (µg/ℓ) / Test Species	Result
	Average	Maximum				
Inorganic Compounds (µg/ℓ)–continued						
Copper	1.20	1.44	[8] 4	[8] 4	1.5 / water flea	
Iron	656	2,207	1,000	1,000	3,700 / duckweed	Exceeds
Lead	2.59	6.70	[8] 0.5	[8] 0.5	530 / water flea	Exceeds
Manganese	2.63	4.22	NA	NA	280 / phytoplankton	
Mercury	0.01	0.02	0.012	0.012	4.8 / freshwater prawn	Exceeds
Selenium	0.33	0.42	5.0	5.0	70 / scud	
Vanadium	528	614	NA	NA	NA	No TBV
Zinc	2.28	3.35	[8] 30	[8] 30	17 / invertebrates	

[1] Chapter 17 302, Surface Water Quality Standards (Florida Legislature, 1993).
[2] Federal Ambient Water Quality Chronic Criteria (USEPA, 1988d; 1991g).
[3] From Table 6-18. Only growth, mortality, and reproductive effects to plants, invertebrates, or reptiles/amphibians were considered.
[4] Phenolic compounds other than those produced by the natural decay of plant material shall not taint the flesh of edible fish or shellfish or produce objectionable taste or odor in a drinking water supply.
[5] Proposed criterion.
[6] Value for aluminum as aluminum chloride.
[7] Insufficient data to develop criteria. Value presented is the Lowest Observed Effect Level (LOEL).
[8] Criteria calculated based on an assumed site hardness concentration of 25 milligrams per liter (mg/ℓ) as calcium carbonate ($CaCO_3$) (actual site hardness concentration was 18.2 mg/ℓ as $CaCO_3$).

Notes: Results of analyses of groundwater samples included in Appendix A.
ECPC = ecological contaminant of potential concern.
FDEP = Florida Department of Environmental Protection.
µg/ℓ = micrograms per liter.
AWQC = Ambient Water Quality Criteria (guidance criteria established under the Clean Water Act).
AQUIRE = Aquatic Information Retrieval.
NA = not available.
TBV = toxicity benchmark value.
PCBs = polychlorinated biphenyls.
= concentration exceeds the most conservative toxicity benchmark.

Table 6-23
Comparison of Site 5 Undiluted Groundwater ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Exposure Point Concentration		FDEP Class III Fresh Water Quality Standards[1] (µg/ℓ)	AWQC[2] (µg/ℓ)	AQUIRE Lowest Reported Adverse Effect Concentration[3] (µg/ℓ) / Test Species	Result
	Average	Maximum				
Volatile Organic Compounds (µg/ℓ)						
Acetone	461	8,500	NA	NA	550,000 / water flea	
2-Butanone	22.3	80.7	NA	NA	70,000 / water flea	
2-Hexanone	12.4	30.7	NA	NA	NA	No TBV
4-Methyl-2-pentanone	26.5	105	NA	NA	7,800 / water flea	
Toluene	34.0	181	NA	NA	1,000 / water flea	
Xylenes (total)	32.7	200	NA	NA	NA	No TBV
Semivolatiles (µg/ℓ)						
2,4-Dimethylphenol	23.7	38.6	([4])	NA	NA	
bis(2-Ethylhexyl)-phthalate	62.7	66.8	3.0	[5] 360	0.89 / moorfrog	Exceeds
2-Methylnaphthalene	64.0	116	NA	NA	2,000,000 / green algae	
2-Methylphenol	20.7	31.8	([4])	NA	NA	No TBV
4-Methylphenol	131	508	([4])	NA	NA	No TBV
Naphthalene	67.4	226	NA	620	NA	
Pesticides and PCBs (µg/ℓ)						
alpha-Chlordane	0.145	0.145	0.00059	0.0043	NA	Exceeds
Inorganic Compounds (µg/ℓ)						
Aluminum	100,522	503,869	NA	87	[6] 50 / narrow-mouthed frog	Exceeds
Barium	138	187	NA	NA	26,000 / duckweed	
Beryllium	2.74	3.23	0.13	[7] 5.3	NA	Exceeds
Cadmium	2.74	3.06	[8] 0.4	[8] 0.4	0.32 / water flea	
Chromium	74.8	187	11	11	5 / water flea	Exceeds
Cobalt	21	21	NA	NA	8,000 / scud	

See notes at end of table

Table 6-23 (Continued)
Comparison of Site 5 Undiluted Groundwater ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Exposure Point Concentration		FDEP Class III Fresh Water Quality Standards[1] (µg/ℓ)	AWQC[2] (µg/ℓ)	AQUIRE Lowest Reported Adverse Effect Concentration[3] (µg/ℓ) / Test Species	Result
	Average	Maximum				
Inorganic Compounds (µg/ℓ)--continued						
Copper	19.4	23.2	[8] 4	[8] 4	1.5 / water flea	Exceeds
Iron	10,581	35,599	1,000	1,000	3,700 / duckweed	Exceeds
Lead	41.8	108	[8] 0.5	[8] 0.5	530 / water flea	Exceeds
Manganese	42.4	68	NA	NA	280 / phytoplankton	
Mercury	0.16	0.32	0.012	0.012	4.8 / freshwater prawn	Exceeds
Selenium	5.32	6.77	5.0	5.0	70 / scud	
Vanadium	8,517	9,904	NA	NA	NA	No TBV
Zinc	36.8	54	[8] 30	[8] 30	17 / invertebrates	Exceeds

[1] Chapter 17 302, Surface Water Quality Standards (Florida Legislature, 1993).
[2] Federal Ambient Water Quality Chronic Criteria (USEPA, 1988d; 1991g).
[3] From Table 6-18. Only growth, mortality, and reproductive effects to plants, invertebrates, or reptiles/amphibians were considered.
[4] Phenolic compounds other than those produced by the natural decay of plant material shall not taint the flesh of edible fish or shellfish or produce objectionable taste or odor in a drinking water supply.
[5] Proposed criterion.
[6] Value for aluminum as aluminum chloride.
[7] Insufficient data to develop criteria. Value presented is the Lowest Observed Effect Level (LOEL).
[8] Criteria calculated based on an assumed site hardness concentration of 25 milligrams per liter (mg/ℓ) as calcium carbonate ($CaCO_3$) (actual site hardness concentration was 18.2 mg/ℓ as $CaCO_3$).

Notes: Results of analyses of groundwater samples included in Appendix A.
ECPC = ecological contaminant of potential concern.
FDEP = Florida Department of Environmental Protection.
µg/ℓ = micrograms per liter.
AWQC = Ambient Water Quality Criteria (guidance criteria established under the Clean Water Act).
AQUIRE = Aquatic Information Retrieval.
NA = not available.
TBV = toxicity benchmark value.
PCBs = polychlorinated biphenyls.
= concentration exceeds the most conservative toxicity benchmark.

Of the organic ECPCs in unfiltered diluted groundwater, only the predicted surface water concentrations of bis(2-ethylhexyl)phthalate and alpha-Chlordane both slightly exceed available screening values (Table 6-22). The predicted maximum (4.14 μg/ℓ) and average (3.89 μg/ℓ) concentrations of bis(2-ethylhexyl)phthalate were both slightly higher than the lowest AQUIRE value reported (0.89 μg/ℓ). Predicted phthalate concentrations also were slightly higher than the Florida standard for phthalic esters (3 μg/ℓ). Although the predicted alpha-Chlordane concentration was approximately an order of magnitude higher than either the State or Federal water quality standard, this pesticide was only detected in 1 of 30 groundwater monitoring wells at Site 5. Minor differences from diluted groundwater values were found in unfiltered, undiluted groundwater organic ECPCs (Table 6-23). The predicted maximum (66.8 μg/ℓ) and average (62.7 μg/ℓ) concentrations of bis(2-ethylhexyl)phthalate still exceed the lowest AQUIRE value and the Florida standard. Similarly, the predicted alpha-Chlordane concentration (0.145 μg/ℓ) exceeded the standards. However, given the uncertainties associated with phthalates as laboratory contaminants and given the low frequency of detection for alpha-Chlordane, it is unlikely that future groundwater discharges of organic analytes are likely to pose substantial ecological risks from surface water exposure in the Site 5 wetland.

Of the 16 inorganic ECPCs in Site 5 groundwater, predicted average or maximum concentrations of 6 analytes identified in unfiltered groundwater were in excess of surface water toxicity benchmarks (Table 6-22).

Aluminum was detected in all 30 groundwater monitoring wells evaluated in the Site 5 ERA at diluted concentrations ranging from 1,150 to 967,000 μg/ℓ; most of the predicted discharge concentrations exceeded the USEPA chronic water quality criterion (87 μg/ℓ) for aluminum. However, the average aluminum concentrations in the upgradient wells at Site 5 (19,390 μg/ℓ) is also well in excess of the USEPA AWQC. Furthermore, it is likely that aluminum observed in Site 5 groundwater is associated with turbid groundwater samples and not with the dissolved phase. A review of the aluminum AWQC document (USEPA, 1988d) indicates that larval trout are among the most sensitive ecological receptors with regard to aluminum exposure. Because no salmonids (e.g., trout) occur in the Site 5 wetland, it is unlikely that the levels of aluminum in surface water will have an adverse effect on ecological receptors at the site, which are likely to be considerably more tolerant of aluminum than larval trout.

Comparison of concentrations of the above six inorganic analytes in unfiltered, undiluted groundwater also exceed standard benchmark values (Table 6-23). Further, unfiltered undiluted groundwater concentrations of two additional inorganic ECPCs (copper and zinc) exceed surface water toxicity benchmark values (Table 6-23). The predicted maximum (23.23 μg/ℓ) and average (19.36 μg/ℓ) concentrations of copper exceed the hardness-dependent State and Federal standards (4 μg/ℓ). Predicted maximum (54.04 μg/ℓ) and average (36.78 ℓg/ℓ) concentrations of zinc also exceed hardness-dependent standards (30 μg/ℓ); however, considerable quantities of zinc were also noted in upgradient monitoring well samples. Concentrations of all eight analytes may be associated with suspended solids rather than dissolved in the groundwater and, therefore, not bioavailable at these levels. Further, the use of unfiltered, undiluted groundwater to evaluate potential risk to wildlife via surface water is an extremely conservative approach and not reflective of likely exposure scenarios.

Predicted average (0.17 $\mu g/\ell$) and maximum (0.2 $\mu g/\ell$) concentrations of beryllium were both slightly in excess of the FDEP surface water standard (0.13 $\mu g/\ell$), but were well below the LOEL value reported by USEPA (5.3 $\mu g/\ell$). Because the FDEP value represents an annual average concentration of beryllium in surface water, it is unlikely that future discharges of beryllium to Site 5 wetland surface water poses a risk to ecological receptors.

The maximum predicted chromium concentration (11.6 $\mu g/\ell$) discharging to surface water is approximately the same as the chronic AWQC for chromium VI. Although hexavalent chromium is not known to occur at Site 5, this value was used as a conservative screening tool; the chromium III chronic AWQC (210 $\mu g/\ell$) is well above the predicted maximum concentration. Therefore, future discharges of chromium to surface water are not anticipated to pose an unacceptable risk to ecological receptors.

Although the maximum predicted diluted iron concentration (2,207 $\mu g/\ell$) is slightly higher than the chronic AWQC for iron, considerable quantities of iron were also detected in upgradient monitoring well samples at Site 5. Like aluminum, much of the iron detected in Site 5 groundwater monitoring well samples may be associated with suspended solids, and not with the dissolved phase. Lastly, the maximum predicted iron concentration is well below the LOEL from AQUIRE (3,700 $\mu g/\ell$), which represents an endpoint for duckweed growth inhibition. Therefore, future discharges of iron to wetland surface water are not anticipated to pose an unacceptable risk to ecological receptors.

Lead was detected in all 30 non-filtered groundwater samples considered in this assessment at concentrations ranging from 1.4 to 214 $\mu g/\ell$. Based on the dilution model, discharged lead concentrations in surface water averaged 2.59 $\mu g/\ell$. This concentration is approximately 5 times the hardness-dependent State and Federal standards for lead (0.5 $\mu g/\ell$). A review of the lead AWQC document (USEPA, 1984) indicates that early life stages of trout are among the most sensitive ecological receptors with regard to lead exposure. Because no salmonids occur in site surface water, it is unlikely that the low levels of lead in surface water will have an adverse effect on the ecological receptors at the site, which are likely to be more tolerant of lead than early life stages of trout.

The predicted maximum future concentration of mercury in groundwater (0.02 $\mu g/\ell$) is only slightly higher than the chronic AWQC for mercury (0.012 $\mu g/\ell$). Because this AWQC is based on an action level for human fish consumption, it is likely overly conservative for evaluation of the ecological receptors in the Site 5 wetland (i.e., no fish occur in this wetland). Furthermore, the maximum predicted mercury concentration (0.02 $\mu g/\ell$) is well below the lowest effect level obtained from AQUIRE for the risk assessment endpoints (4.9 $\mu g/\ell$). Therefore, it is unlikely that exposure to future concentrations of mercury in the Site 5 wetland surface water will have an adverse effect on ecological receptors.

In summary, it is unlikely that future diluted groundwater discharges to the surface water in the Site 5 wetland will pose an unacceptable risk to ecological receptors. An additional comparison of average and maximum detected concentrations of ECPCs in undiluted groundwater with available criteria and toxicity benchmarks showed potential risks from eight inorganic analytes. However, this exposure scenario is not expected. It is unlikely that ecological receptors would be exposed to undiluted groundwater and, as these analytes may be associated with suspended solids, contamination at these levels is unlikely to be bioavailable.

No aquatic toxicity information on vanadium, xylenes, or 2-hexanone was available. Therefore, it was not possible to assess the risks associated with these analytes in future discharges to Site 5 wetland surface water.

6.2.5 Uncertainty Analyses The general uncertainties associated with ERAs are outlined in Table 6-5. Specific uncertainties associated with the assessment of risks associated with contamination at Site 5 include the following.

- The model for predicting the dilution potential of groundwater may underestimate the actual dilution. Estimates of exposure and associated risk may be overestimated.

- Toxicity testing evaluated the lower (less than 400 mg/kg) and upper (greater than 28,000 mg/kg) extremes of TPH concentrations present in Site 5 surface soil. Intermediate concentrations would be necessary to establish a dose-response curve.

- An assumption has been made that organisms evaluated in the laboratory bioassays are as sensitive or more sensitive than organisms at the site.

- Effects of TPH on wildlife could not be evaluated because no mode of evaluation is available (i.e., no suitable reference toxicity values for petroleum contamination are available).

- The RTVs selected for evaluation of mercury at Site 5 were for organic forms of mercury (e.g., methyl-mercury). Because available literature indicates that methyl-mercury is generally more toxic than ionic forms of mercury, it is likely that the Site 5 ERA overestimates risks from mercury. However, because food web exposure may include transformation of inorganic to organic mercury, this assessment conservatively evaluates wildlife exposure to methyl-mercury.

6.2.6 Summary of Assessment for Site 5 Potential risks for ecological receptors were evaluated for ECPCs in surface soil, surface water, sediment, and groundwater at Site 5.

Risks associated with exposures to ECPCs in surface soil were evaluated for terrestrial wildlife based on a model that predicts the amount of contaminant exposure via the diet and incidental ingestion of soil. Estimated contaminant doses for representative wildlife species associated with exposure to contaminants in surface soil did not exceed thresholds for both lethal and sublethal effects (RTVs), indicating that adverse effects to wildlife are not anticipated.

Risks for soil invertebrates and plants were evaluated based on the results of laboratory toxicity testing of surface soil samples from Site 5 with earthworms and one plant species. With the exception of soil from Station CF5-SS-4, soil was not toxic to the test species and risks associated with exposure to ECPCs in surface soil were not identified for soil invertebrates or plants. At Station CF5-SS-4, significant worm mortality (100 percent) and reduced lettuce seed germination rates were observed. It is likely that elevated TPH or Aroclor-1260 concentrations (28,000 and 2.2 mg/kg, respectively) are at least partially responsible for the observed mortality in the laboratory toxicity tests.

Evaluation of contamination in surface water and sediment is based on collection of analytical samples from the drainage ditch and wetland adjacent to Site 5. At each sampling station, surface water and sediment samples were analyzed to determine the extent and type of contamination; additionally, sediment samples were submitted for laboratory toxicity testing with two organisms including the water flea (*Ceriodaphnia dubia*) and the amphipod (*Hyallela azteca*). Samples of the benthic macroinvertebrate community were also collected. The results of the three analyses were analyzed in a weight-of-evidence approach to identify and characterize risks for aquatic receptors.

Analyses of the benthic macroinvertebrate sampling results indicate impairment of the benthic community at the Site 5 drainage ditch both upstream and downstream of Site 5. However, evaluation of the sediment bioassay data suggests that certain organisms are impacted by exposure to sediment. These data suggest that the responses are associated with contamination emanating from Site 5. Elevated concentrations of Aroclor-1260, DDT_R, or TPH are possibly associated with the adverse responses.

Potential risks for terrestrial and wetland wildlife resulting from exposures to ECPCs in surface water and sediment were also evaluated. Exposures to ECPCs were estimated based on a model that predicts the amount of contaminant exposure via direct ingestion of surface water, incidental ingestion of sediment, and ingestion in the diet. Comparison of predicted doses for representative wildlife species with doses representing thresholds for both lethal and sublethal effects (RTVs) is the basis of the risk evaluation. Risks were not identified for terrestrial and wetland wildlife resulting from exposures to ECPCs in surface water and sediment at the Site 5 wetland and drainage ditch.

Potential risks for aquatic receptors were evaluated for exposures to ECPCs in groundwater. The concentration of ECPCs in groundwater as they are discharged to the Site 5 wetland were estimated based on a dilution model. Average and maximum exposure concentrations are predicted based on the average and maximum detected concentrations of ECPCs in groundwater and a dilution factor. Comparison of the average and maximum exposure concentrations of each ECPC with available criteria and toxicity benchmarks is the basis of the risk characterization. The risk characterization did not identify any risks for aquatic receptors associated with ECPCs in diluted groundwater. Although risks for aquatic receptors would theoretically be increased with exposure to inorganic analytes at concentrations detected in undiluted, unfiltered groundwater, such an actual exposure scenario is deemed unlikely.

6.3 ECOLOGICAL ASSESSMENT FOR SITE 17. The following subsections describe the results for the ERA at Site 17. Groundwater at Site 17 was not evaluated in the ERA because groundwater is not believed to discharge to the surface at this site. The ERA was completed according to the methodology described in Section 6.1. The ERA includes selection of ECPCs (Subsection 6.3.1), exposure assessment (Subsection 6.3.2), ecological effects assessment (Subsection 6.3.3), risk characterization (Subsection 6.3.4), and uncertainty analyses (Subsection 6.3.5). Each of these subsections discusses surface soil, surface water, and sediment.

6.3.1 Selection of Ecological Contaminants of Potential Concern (ECPCs) Analytes were determined to be an ECPC according to the process described in Subsection 6.1.2 and illustrated in Figure 6-3. ECPCs for surface soil, surface

water, and sediment at Site 17 were selected independently. ECPCs were selected separately for aquatic receptors and wildlife for surface water and sediment in the Site 17 wetland.

Fourteen surface soil samples were collected in June 1993 at Site 17 (CEF-17-SS1 through CEF-17-SS14) in an area approximately 2.8 acres in size (Figure 3-2). All 14 samples were included in the surface soil summary. Two sediment samples (CEF-17-SD1 and CEF-17-SD2) were collected in the wetland east of Site 17 in July 1994; both of these are included in the Site 17 wetland sediment summary. Surface water was obtained from only one of the two sediment sampling stations. Due to concerns regarding the quality of the data in the Site 17 surface water sample (June 1994), Site 17 wetland surface water is being resampled. Therefore, Site 17 surface water is not evaluated in this ERA, but will be addressed in Appendix T of this document after resampling has been conducted.

6.3.1.1 **Surface Soil** Surface soil analytical results for 20 compounds detected at Site 5 are summarized in Table 6-24. All organic analytes were retained as ECPCs, including four VOCs, four SVOCs, and 4,4'-DDE. Three of the 11 inorganic analytes detected in Site 17 surface soil were retained as ECPCs; 8 were not retained because the maximum detected concentration was less than 2 times the average background concentration and/or is an essential nutrient. In addition, TPH was detected in 9 of the 14 surface soil samples from Site 17 at concentrations ranging from less than 10 mg/kg (the detection limit) to 210 mg/kg (CF17-SS-8) (Table 6-25).

6.3.1.2 **Surface Water** Surface water from the Site 17 wetland was not evaluated in this report because representative surface water samples were not collected. Results of surface water resampling will be evaluated in Appendix T of this report.

6.3.1.3 **Sediment** Two sediment samples were collected from the wetland located downgradient of Site 17. One VOC, 3 SVOCs, 4,4-'DDE, and 16 inorganics were detected in the sediment samples. All analytes, with the exception of the nutrients calcium, magnesium, potassium, and sodium, were retained as ECPCs for evaluation in the ERA (Table 6-26). Additional data collected in a resampling effort will be combined with these findings and evaluated in Appendix T of this report.

6.3.2 **Exposure Assessment** The exposure assessment identifies exposure pathways and estimates the magnitude of exposures for aquatic and wildlife receptors associated with contamination in Site 17 surface soil, surface water, and sediment. Exposure pathways were identified for aquatic and terrestrial receptors in the Contaminant Pathway Model (Figure 6-1). Exposure pathways identified for evaluation in the ERA for Site 17 are discussed in Subsection 6.1.3.

6.3.2.1 **Surface Soil** Habitat for terrestrial wildlife at Site 17 is described in Section 6.1. The wildlife species potentially present at Site 17 are listed in Appendix H. The following six species were selected as representative wildlife species to represent the trophic levels of the wildlife community present at Site 17:

- **cotton mouse** (*Peromyscus gossypinus*),
- **short-tailed shrew** (*Blarina brevicauda*),

Table 6-24
Selection of Ecological Contaminants of Potential Concern for Site 17 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concen-trations	Average of Detected Concentra-tions[3]	2 Times Average Background Concen-tration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assess-ment Mean[5]	95th % UCL[6]	Maximum[7]	Average[8]
Volatile Organic Compounds (µg/kg)										
Acetone	2/14	12 to 1,700	160 to 5,200	2,695	NA	Yes	391	1,012	1,012	391
2-Butanone	2/14	12 to 1,700	85 to 1,400	764	NA	Yes	115	230	230	115
Toluene	2/14	6 to 860	3 to 190	68	NA	Yes	43	112	112	43
Xylenes (total)	3/14	6 to 860	3 to 6	4	NA	Yes	34	38	6	[9] 6
Semivolatile Organic Compounds (µg/kg)										
Benzo (b) fluoranthene	1/14	400 to 530	30	30	NA	Yes	208	305	30	[9] 30
bis(2-Ethylhexyl) phthalate	5/14	400 to 530	25 to 75	42	NA	Yes	159	354	75	[9] 75
4-Methylphenol	4/14	400 to 530	66 to 990	274	NA	Yes	237	324	324	237
Phenol	1/14	400 to 530	68 to 90[10]	79	NA	Yes	211	247	90	[9] 90
Pesticides and PCBs (µg/kg)										
4,4-DDE	1/14	0.6 to 4.6	0.45	0.45	NA	Yes	1.86	3.03	0.45	[9] 0.45
Inorganic Compounds (mg/kg)										
Aluminum	14/14	40	613 to 3,300	1,323	29,086	No[11]				
Arsenic	3/14	2	0.48 to 0.73	0.68	3.6	No[11]				
Barium	5/14	40	3.8 to 10	6.1	21	No[11]				
Calcium	14/14	1,000	97.8 to 8680	1,913	ND	No[12]				
Chromium	8/14	2	2.6 to 4.4	3.5	31.2	No[11]				

See notes at end of table

Table 6-24 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 17 Surface Soil

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	2 Times Average Background Concentration[4]	Contaminant of Ecological Concern?	Exposure Point Concentrations			
							Risk Assessment Mean[5]	95th % UCL[6]	Maximum[7]	Average[8]
Inorganic Compounds (mg/kg)—continued										
Iron	14/14	20	265 to 1,550	527	8,060	No[11,12]				
Lead	14/14	1	2.4 to 16.8	6.3	15.6	Yes	6.3	8.3	8.3	6.3
Magnesium	6/14	1,000	70.9 to 449	163.7	474	No[11,12]				
Manganese	5/14	3	6.9 to 30.7	12.2	17	Yes	5.3	10.5	10.5	5.3
Thallium	1/14	2	0.31	0.31	ND	Yes	0.95	1.15	0.31	[9] 0.31
Vanadium	14/14	10	1.3 to 4.2	2.3	34.2	No[11]				

[1] Frequency of detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detections, contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Background sample locations include: BSS01, BSS02, BSSO3, and BSSO4. Two times the background concentration is calculated for inorganics only.
[5] The Risk Assessment mean assigns a value of 1/2 the CRQL/CRDL to all non-detections.
[6] The 95th upper confidence limit (UCL) is calculated on the log-transformed Risk Assessment mean using the formula provided in the U.S. Environmental Protection Agency (USEPA) Region IV Supplemental Guidance (1991d).
[7] Maximum Exposure Point Concentrations (EPCs) were selected using the following criteria:
- when the sample size was ≤ 3, the maximum detected concentration was used, and
- when the sample size was ≥ 4, the lesser of the maximum detected concentration or the 95th percent UCL was selected.

[8] Average EPCs are equal to the Risk Assessment mean.
[9] When the Risk Assessment mean was greater than the maximum EPC, the maximum EPC was selected as the average EPC.
[10] This single detect occurred in a duplicate pair.
[11] Maximum analyte concentration is less than 2 times the average background concentration for inorganic compounds.
[12] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include: CF17SS1 through CF17SS14, including CF17SS3D and CF17SS12D.
CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
% = percent.
UCL = upper confidence limit.
μg/kg = micrograms per kilogram.
NA = not available/not applicable.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
ND = not detected.

Table 6-25
Summary of Site 17 Total Petroleum Hydrocarbon (TPH) Data

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Medium	Sampling Location	TPH
Surface Soil (mg/kg)		
	CF17-SS-1	18
	CF17-SS-2	ND
	CF17-SS-3	17
	CF17-SS-4	ND
	CF17-SS-5	140
	CF17-SS-6	170
	CF17-SS-7	17
	CF17-SS-8	210
	CF17-SS-9	ND
	CF17-SS-10	20
	CF17-SS-11	15
	CF17-SS-12	ND
	CF17-SS-13	18
	CF17-SS-14	ND

Notes: mg/kg = milligrams per kilogram.
ND = not detected.

Table 6-26
Selection of Ecological Contaminants of Potential Concern for Site 17 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Site 5 Upstream Concentration[5]	Contaminant of Ecological Concern?[6]	Exposure Point Concentrations		
								Risk Assessment Mean[7]	Maximum[8]	Average[9]
Volatile Organic Compounds (µg/kg)										
2-Butanone	1/2	17 to 26	4	4	NA		Yes	8.5	4	[10] 4
Semivolatile Organic Compounds (µg/kg)										
4-Methylphenol	1/2	550 to 850	62	62	NA		Yes	244	87	[10] 87
Diethylphthalate	1/2	550 to 850	48	48	NA		Yes	167	48	[10] 48
Pentachlorophenol	1/2	1,300 to 2,000	53	53	NA		Yes	364	53	[10] 53
Pesticides and PCBs (µg/kg)										
4,4-DDE	1/2	5 to 8 5	0.55 to 0.7	0.625	3.3		Yes[11]	2.44	0.7	[10] 0.7
Inorganic Compounds (mg/kg)										
Aluminum	2/2	40	1,000 to 11,100	6,090	NA	732	Yes	6,090	11,100	6,090
Arsenic	1/2	2	2.1	2.1	8	ND	Yes	1.55	2.1	1.55
Barium	2/2	40	4.9 to 59 1	32.3	NA	6	Yes	32.3	59.1	32 3
Cadmium	1/2	1	0.95	0.95	1	ND	Yes	0.725	0.95	0.725
Calcium	2/2	1,000	709 to 9,020	4,893	NA	144.2	No[12]			
Chromium	1/2	2	10.4	10.4	33	ND	Yes[11]	5.7	10.4	5.7
Copper	1/2	5	5.1	5.1	28	ND	Yes[11]	3.8	5.1	3.8
Iron	2/2	20	173 to 4,250	2,217	NA	145.8	Yes	2,217	4,250	2,217
Lead	2/2	1	4.1 to 30.6	17.8	21	ND	Yes	17.8	30.6	17.8

See notes at end of table

Table 6-26 (Continued)
Selection of Ecological Contaminants of Potential Concern for Site 17 Sediment

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	Frequency of Detection[1]	Range of CRQLs/-CRDLs[2]	Range of Detected Concentrations	Average of Detected Concentrations[3]	Region IV Sediment Quality Screening Value[4]	2 Times Average Site 5 Upstream Concentration[5]	Contaminant of Ecological Concern?[6]	Exposure Point Concentrations		
								Risk Assessment Mean[7]	Maximum[8]	Average[9]
Inorganic Compounds (mg/kg)–continued										
Magnesium	1/2	1,000	272	272	NA	26.4	No[12]			
Manganese	2/2	3	1.9 to 91	46.5	NA	1.02	Yes	46.5	91	46.5
Nickel	1/2	8	3.9	3.9	20.9	ND	Yes[11]	3.95	3.9	[10] 3.9
Selenium	1/2	1	1.8	1.8	NA	ND	Yes	1.15	1.8	1.15
Sodium	2/2	1,000	197 to 338	343.5	NA	ND	No[12]			
Vanadium	2/2	10	2.4 to 10.4	6.4	NA	ND	Yes	6.4	10.4	6.4
Zinc	1/2	4	127	127	68	1.32	Yes	64.5	127	64.5

[1] Frequency of detection is equal to the number of samples in which the analyte is detected in relation to the total number of samples.
[2] For all non-detections, contract required quantitation limits (CRQLs) were reported for organic analytes and contract required detection limits (CRDLs) were reported for 11 inorganic analytes.
[3] Arithmetic mean of all samples in which analyte was detected.
[4] Draft Region IV Waste Management Division Sediment Screening Values (U.S. Environmental Protection Agency [USEPA], 1994b).
[5] Because there is no upgradient Site 17 wetland station, 5SD5 was used as the upstream sample location. Two times the upstream concentration is calculated for inorganics only.
[6] Evaluated for aquatic receptors only.
[7] The Risk Assessment mean assigns a value of 1/2 the CRQL/CRDL to all non-detections.
[8] Maximum Exposure Point Concentrations (EPCs) are equal to the maximum detected concentration. 95th percent UCLs were not calculated because the sample population was less than 3.
[9] Average EPCs (for wildlife only) are equal to the Risk Assessment mean.
[10] When the risk assessment mean was greater than the maximum detected concentration, the maximum detected concentration was selected for both the average and maximum exposure point concentrations
[11] Maximum analyte concentration is below the Region IV sediment screening value (USEPA, 1994b), therefore the analyte will not be considered as an aquatic ecological contaminant of potential concern (ECPC).
[12] Analyte is an essential nutrient, and not considered toxic except at high concentrations.

Notes: Sample locations include: CF-17-SD1, CF-17-SD1D, CF-17-SD2.
CRQLs = contract required quantitation limits.
CRDLs = contract required detection limits.
µg/kg = microgram per kilogram.
mg/kg = milligrams per kilogram.
NA = not available/not applicable.
ND = not detected.

- **red fox** (*Vulpes vulpes*),
- **American woodcock** (*Scolopex minor*),
- **rufous-sided towhee** (*Pipilpo erythrophthalmus*), and
- **great horned owl** (*Bubo virginianus*).

Exposure parameters for these representative wildlife species are discussed in Section 6.2.2 and presented in Table 6-15.

Terrestrial wildlife species may be exposed to contamination in surface soil by incidental ingestion and ingestion of food that has been contaminated as a result of accumulating contaminant(s) from the soil. As discussed in Subsection 6.1.3, a simple model is used to estimate PDEs for each of the representative wildlife species for each of the surface soil ECPCs. The BAFs for plants, terrestrial invertebrates, small mammals, and avian species used to predict the PDEs for each ECPC are listed in Appendix L. The PDEs calculated for each of the representative wildlife species for each of the ECPCs is presented in Appendix P.

The assumed site acreage (2.8 acres) is less than the home range for all representative species, except for the short-tailed shrew, cotton mouse, and the rufous-sided towhee. All six representative wildlife species are expected to actively forage at Site 17 year-round.

6.3.2.2 **Sediment** Surface water data are not available for Site 17. It is likely that aquatic invertebrate receptors will be more sensitive to any Site 17 sediment contamination than wildlife receptors; therefore, exposures to ECPCs in sediment are evaluated for aquatic receptors only. Exposure pathways for ecological receptors related to ECPCs in sediment are depicted on Figure 6-1.

Aquatic Receptors. Contaminant exposures related to direct contact with sediment are evaluated for aquatic receptors at Site 17. Aquatic receptors are potentially exposed to contamination in the Site 17 wetland sediment via direct contact. Exposures are evaluated for both sampling locations in the Site 17 wetland; exposure concentrations of ECPCs are assumed to be equal to the amount of an analyte detected in the sediment samples from the respective locations. The concentrations of ECPCs (and other analytes) detected in the sediment samples from Site 17 are provided in Table 6-26.

6.3.3 Ecological Effects Assessment The ecological effects assessment describes the potential adverse effects associated with the identified ECPCs to ecological receptors. Potential or actual adverse ecological effects for ECPCs in surface soil, surface water, and sediment at Site 17 are described in the following subsections. The methodology for the ecological effects assessment is described in Subsection 6.1.4.

6.3.3.1 **Surface Soil** The ecological effects assessment for Site 17 surface soil includes separate evaluations for terrestrial wildlife, plants, and soil invertebrates. Ecological effects for terrestrial wildlife are predicted based on available literature toxicity information, whereas toxicity of ECPCs in surface soil for plant and soil invertebrates is measured directly by the use of soil toxicity tests. The methodology for ecological effects assessment is described in paragraph 6.1.4.1.

Terrestrial Plants and Soil Invertebrates. Surface soil was collected from 14 locations at Site 17 during the 1993 sampling event at NAS Cecil Field (Figure 3-2). Toxicity of the surface soil was evaluated by use of a 14-day toxicity test with earthworms (*Eisenia foetida*) and a seed germination toxicity test with lettuce (*Lactuca sativa*). Protocols used in the 14-day subacute toxicity test with earthworms and the seed germination toxicity test are included in Appendix J.

Soil toxicity testing results including *E. foetida* mortality and percent weight change and *L. sativa* germination are presented in Table 6-16. The soil samples collected at Site 17 were not toxic to *E. foetida*. The earthworms exposed to the soil samples produced cocoons in several test chambers and generally gained more weight than the earthworms in the control soil, indicating good health. The soil samples collected at Site 17 were not toxic to *L. sativa*, with the exception of one of the background samples (BSS01) and two site samples (CS-17-SS8 and CS-17-SS9). Germination of lettuce seed at CF-17-SS8 was only 59 percent, whereas lettuce seed exposed to CF-17-SS9 soil germinated at a rate of 69 percent. Both of these results were statistically different than the control. Complete information on the toxicity testing of site surface soil with *E. foetida* and *L. sativa* are included as Appendix J.

6.3.3.2 **Sediment** Potential or actual adverse ecological effects associated with the ECPCs in sediment of the Site 17 wetland are discussed below.

Aquatic Life. Contaminant exposures via direct contact with sediment were evaluated by comparing exposure concentrations with available sediment quality guidelines (Table 6-27) including: NOAA ER-L and ER-M guidelines (Long and others, 1993), USEPA Sediment Quality Guidelines based on equilibrium partitioning (USEPA, 1988c), and OME LEL provincial sediment quality guidelines (Persaud and others, 1992). Although some uncertainty is associated with use of the sediment quality guidelines to evaluate risks from exposure to the Site 17 wetland sediment, these guidelines provide a conservative screening tool in the absence of site-specific sediment toxicity test data. Information on the aquatic toxicity of the sediment ECPCs is also included in Appendix K.

6.3.4 **Risk Characterization** Risks are characterized for contamination in surface soil and sediment at Site 17. Risks are characterized based upon the methodology provided in Subsection 6.1.5. The methodology represents an integrated approach using both field and predictive methods to provide a measure of actual or potential risks.

6.3.4.1 **Surface Soil** Potential risks associated with exposures to ECPCs in surface soil at Site 17 are discussed separately for terrestrial wildlife, terrestrial plants, and soil invertebrates. Risks to terrestrial wildlife are characterized by comparing PDE concentrations for each ECPC with a respective RTV (predicted threshold for toxicity).

Terrestrial Wildlife. The lethal and sublethal HQs and HIs calculated for the representative wildlife species at Site 17 for exposures to ECPCs in surface soil are presented in Appendix O. The HQs and HIs for representative wildlife species are less than 1 for both lethal and sublethal effects. This indicates that adverse effects to growth, reproduction, or survival are not anticipated for terrestrial wildlife resulting from exposures to the ECPCs in surface soil at Site

Table 6-27
Comparison of Site 17 Sediment ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Analyte	17-SD-1	17-SD-2	NOAA[1]		OME LEL[2]	USEPA SQGs[3]	Result
			ER-L	ER-M			
Volatile Organic Compounds (µg/kg)							
2-Butanone	4	ND	NA	NA	NA	NA	No TBV
Semivolatile Organic Compounds (µg/kg)							
4-Methylphenol	62	ND	NA	NA	NA	NA	No TBV
Diethylphthalate	ND	48	NA	NA	NA	NA	No TBV
Pentachlorophenol	ND	53	NA	NA	NA	NA	No TBV
Pesticides and PCBs (µg/kg)							
4,4-DDE	0.625	ND	2	27	5	[4] 8.28	
Inorganic Compounds (mg/kg)							
Aluminum	1,080	11,100	NA	NA	NA	NA	No TBV
Arsenic	ND	2.1	8.2	70	6	NA	
Barium	5.45	59.1	NA	NA	NA	NA	No TBV
Cadmium	ND	0.95	1.2	9.6	NA	NA	
Chromium	ND	10.4	81	370	26	NA	
Copper	ND	5.1	34	270	16	NA	
Iron	184	4250	NA	NA	20,000	NA	
Lead	30.6	25	46.7	218	31	NA	
Manganese	2	91	NA	NA	460	NA	
Nickel	ND	3.9	20.9	51.6	16	NA	
Selenium	ND	1.8	NA	NA	NA	NA	No TBV
Vanadium	2.45	10.4	NA	NA	NA	NA	No TBV
Zinc	ND	127	150	410	120	NA	Exceeds

See notes at end of table.

Table 6-27 (Continued)
Comparison of Site 17 Sediment ECPC Exposure Concentrations to Toxicity Benchmark Values

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

[1] National Oceanic and Atmospheric Administration (NOAA) Effects Range-Low (ER-L) Sediment Guidelines corresponds to the concentration that is protective to 90 percent of the population (Long and others, 1993).
[2] Ontario Ministry of the Environment (OME) Low Effects Level (LEL) Provincial Sediment Quality Guidelines (Persaud and others, 1992) corresponds to a concentration that can be tolerated by the majority of benthic organisms.
[3] U.S. Environmental Protection Agency (USEPA) (1988c) mean Sediment Quality Criteria Values (SQCs) at 1 percent total organic carbon (TOC). All values represent Final Residue Values (FRVs).
[4] Value for 4,4'-DDT used as a surrogate.

Notes: Results of analyses of sediment samples included in Appendix A.
ECPC = ecological contaminant of potential concern.
NOAA = National Oceanic and Atmospheric Administration.
ER-L = Effects Range-Low.
ER-M = Effects Range-Medium.
OME = Ontario Ministry of the Environment.
USEPA = U.S. Environmental Protection Agency.
SQGs = Sediment Quality Guidelines.
µg/kg = micrograms per kilogram.
NA = not available.
ND = not detected.
TBV = toxicity benchmark value.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
mg/kg = milligrams per kilogram.
= detection exceeds the most conservative screening value, or no screening value exists.

17. Because the models in Appendix P evaluate maximum exposure point concentrations and no risk was estimated, no calculation was made of risks from average exposure concentrations.

Lethal effect HIs ranged from 0.00030 for the great-horned owl to 0.0057 for the short-tailed shrew, and sublethal effect HIs ranged from 0.000028 for the red fox to 0.12 for the short-tailed shrew.

Terrestrial Plants and Soil Invertebrates. The soil samples collected at Site 17 were not toxic to *E. foetida*. Based on the results of toxicity testing that measure the growth, reproduction, and survival of test populations, it is assumed that the contamination present in surface soil at Site 17 does not present an unacceptable risk for terrestrial plants or soil invertebrates. No correlations between earthworm weight loss, lettuce seed germination, and concentrations of analytes in Site 17 surface soil were observed (see Appendix Q). Although germination of lettuce seeds was slightly inhibited at two Site 17 surface soil sampling stations (CF-17-SS-9 and CF-17-SS-8), no correlations between germination inhibition and ECPC concentrations were observed (Appendix Q). Both of these samples contained few contaminants. Inorganic concentrations were at or near background levels. TPH at Station CF-17-SS-8 was 51 mg/kg, whereas TPH at Station CF-17-SS-9 was 260 mg/kg. Although the chemical nature of TPH can be quite variable, lettuce seed exposed to soil from several stations at TPH concentrations above 100 mg/kg germinated well (i.e., lettuce seed exposed to 100 mg/kg TPH germinated at rates that were no different than control germination). Therefore, it is possible that the reduced germination observed at CF-17-SS-8 was not related to site contamination. Although Station CF-17-SS-9 contained considerably more TPH (240 mg/kg), the lack of correlation with TPH data (Appendix Q) and the lack of toxicity at TPH concentrations well above 240 mg/kg in Site 5 surface soil suggests that TPH may not be responsible for the reduction in germination observed at Site 17. It is possible that a non-measured physical, biological, or chemical factor is responsible for the observed slight reduction in lettuce seed germination (i.e., ECPC exposure is likely not responsible for the observed effect).

6.3.4.2 **Sediment** Potential risks are characterized for contamination in sediment in the Site 17 wetland for aquatic receptors.

Aquatic Receptors. Risks for aquatic receptors at Site 17 associated with ECPCs in sediment are characterized for each sampling location based on the approach outlined in Subsection 6.1.5. Table 6-27 provides a comparison of the ECPC concentrations with sediment benchmarks. Based on this evaluation, risks are not anticipated for aquatic receptors associated with exposures to ECPCs in sediment in the Site 17 wetland. The ECPC concentration of zinc (127 mg/kg) was the only analyte to exceed its respective benchmark (120 mg/kg); however, the magnitude of this exceedance implies that risk to aquatic receptors from exposure to Site 17 sediment is minimal or unlikely.

Reassessment of risk to aquatic species associated with Site 17 sediment based on combined data from June 1994 and February 1995 is presented in Appendix T of this report.

6.3.5 Uncertainty Analyses A number of uncertainties and assumptions are inherent in the ecological risk assessment process. Table 6-5 summarizes general

ERA uncertainties. Specific uncertainties associated with the evaluation of risks associated with contamination at Site 17 include the following.

- An assumption has been made that organisms evaluated in the laboratory bioassays are representative of organisms at the site.

- Effects of TPH on wildlife could not be evaluated as TPH measures a variety of chemicals and it is not possible to derive individual contaminant doses based upon this measurement.

- Surface water samples are not available from the downgradient Site 17 wetland. Results of surface water resampling in the Site 17 wetland are presented in Appendix T. Risk to aquatic and wildlife receptors from exposure to both surface water and sediment at Site 17 is evaluated in Appendix T.

6.3.6 Summary of Assessment for Site 17 Potential risks for ecological receptors were evaluated for ECPCs in surface soil, surface water, and sediment at Site 17. Risks associated with exposures to ECPCs in surface soil were evaluated for terrestrial wildlife based on a model that predicts the amount of contaminant exposure via the diet and incidental ingestion of soil. Comparison of predicted doses for representative wildlife species with doses representing thresholds for both lethal and sublethal effects (RTVs) is the basis of the risk evaluation. Risks for soil invertebrates and plants were evaluated based on the results of laboratory toxicity testing of surface soil samples from Site 17 with earthworms (*Eisenia foetida*) and one plant. Risks were not associated with exposure to surface soil and were not identified for terrestrial wildlife, soil invertebrates, or plants. Although a reduction in lettuce seed germination was observed in two of the surface soil samples from Site 17, there was no correlation between any ECPC concentrations and observed responses. It is likely that a non-ECPC stressor (i.e., another physical, chemical, or biological stressor) is responsible for the observed adverse response.

Evaluation of contamination and sediment is based on collection of analytical samples from the wetland downgradient of Site 17. At each sampling station, sediment samples were analyzed to determine the extent and type of contamination. No substantial exceedances of available sediment quality guidelines were identified for aquatic receptors in the Site 17 wetland. Because non-motile aquatic receptors are likely to be more sensitive to contaminant exposure than terrestrial wildlife, it is likely that the site poses no significant risks to wildlife receptors.

6.4 RECOMMENDATIONS AND CONCLUSIONS. This section summarizes the results of the ERAs at Sites 5 and 17 at NAS Cecil Field. Table 6-28 presents a summary of the ERA for Site 5 and Table 6-29 presents a summary of the ERA for Site 17.

Based on the information summarized in these two tables, elevated ecological risks may exist in the following environmental media:

- Site 5 surface soil (plants and invertebrates) and

- Site 5 drainage ditch sediment (macroinvertebrates only).

Table 6-28
Site 5 Ecological Risk Assessment Summary

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Receptor	Medium			
	Surface Soil	Surface Water	Sediment	Future Groundwater Discharge
Terrestrial and Wetland Wildlife	None	None	None	NA
Terrestrial Plant	PCB, TRPH	NA	NA	NA
Soil Invertebrate	PCB, TRPH	NA	NA	NA
Benthic Macroinvertebrates	NA	None	PCB, DDT_R, TRPH[1]	None[2]

[1] Drainage ditch only.
[2] Wetland and drainage ditch.

Notes: None = no effect.
NA = not applicable.
PCB = polychlorinated biphenyls.
TRPH = total recoverable petroleum hydrocarbons.
DDT_r = the sum of dichlorodiphenyltrichloroethane (DDT), dichlorodiphenyldichloroethane (DDD), and dichlorodiphenyldichloroethene.

Table 6-29
Site 17 Ecological Risk Assessment Summary

Baseline Risk Assessment
Operable Unit 2
NAS Cecil Field, Jacksonville, Florida

Receptor	Medium			
	Surface Soil	Surface Water	Sediment	Future Groundwater Discharge
Terrestrial Wildlife	None	NE	NE	NA
Terrestrial Plant	None[1]	NA	NA	NA
Soil Invertebrate	None	NA	NA	NA
Benthic Macroinvertebrates	NA	NE	None	NA

[1] Slight reduction of lettuce seed germination believed to be associated with a non-ecological contaminant of potential concern (ECPC) stressor.

Notes: None = no effect.
NE = not evaluated.
NA = not applicable.

Specific recommendations for these environmental media are presented in the following subsections.

6.4.1 Recommendations for Site 5 Surface Soil The ERA suggested that contamination in "hot spots" in Site 5 surface soil may pose a risk to certain invertebrate and plant receptors. Contamination at sampling Station CF5-SS-4, located in the southwestern part of Site 5, appears to have the potential to impact the plant and invertebrate communities at Site 5. Station CF5-SS-4 is characterized by concentrations of TPH and Aroclor-1260 well above any other surface soil sampling location at Site 5. Aroclor-1260 was detected at 2.2 mg/kg and TPH was detected at 28,000 mg/kg at this station.

No toxic effects were observed when plants and invertebrates were exposed to surface soil from Site 5 containing concentrations ranging from 260 to 605 mg/kg TPH. Therefore, an ecological risk-based preliminary remedial goal (PRG) of approximately 250 mg/kg TPH should be considered for Site 5 surface soil.

No toxic effects were observed when plants and invertebrates were exposed to surface soil from Site 5 containing concentrations of up to 0.66 mg/kg of Aroclor-1260. Therefore, an ecological risk-based PRG ranging from approximately 0.5 to 1.0 mg/kg of Aroclor-1260 should be considered for Site 5 surface soil.

6.4.2 Recommendations for Site 5 Drainage Ditch Sediment The ecological risk assessment suggested that contamination in the Site 5 drainage ditch sediment may pose a risk to certain invertebrate receptors. Sediment contamination at sampling Stations CF5-SD-1, CF5-SD-3, and CF5-SD-4 appears to have the potential to impact the aquatic invertebrate communities at Site 5. Site 5 sediment contaminants could potentially migrate to Lake Fretwell (for example, as a result of possible resuspension and transport of contaminated sediments during storms). Sediment from these three stations is characterized by elevated concentrations of TPH, ranging from 550 to 1,450 mg/kg, and Aroclor-1260, ranging from 70 to 330 μg/kg. In addition, low levels of DDT_R were detected in sediment at these sampling stations.

Derivation of an ecological risk-based PRG for sediment at the Site 5 drainage ditch involves balancing risks. In addition to the toxicological risks associated with contamination of sediment in the Site 5 drainage ditch, the risks associated with remediation (i.e., habitat destruction risks) should be considered at Site 5. A recent USEPA Science Advisory Board (USEPA, 1990) review of relative ecological risks indicates that environmental protection strategies should prioritize remedial options for the greatest overall risk reduction. USEPA (1990) recommends that the relative risks of remedial strategies be considered, particularly as they relate to natural ecosystem destruction; habitat alteration may result in greater relative risk than environmental contamination.

Hull and Suter (1993) identify three categories for ecological (and public health) risk: (1) *de minimis* (i.e., risks that would not require remediation because they are considered trivial), (2) *de manifestis* (i.e., sites that would require remediation for ecological risk unless a compelling case can be made that remediation could conflict with protection of human health or sites where remediation is clearly required due to human health risk), and (3) intermediate (i.e., risks that fall between *de minimis* and *de manifestis*). According to Hull and Suter (1993), risks in the intermediate category are not always so compelling as to require immediate remediation, but require balancing of a number of factors,

including costs, health risks, and the risks associated with remediation (e.g., habitat destruction). Based on the lack of human health risk from sediment exposure at Site 5 and the uncertainties associated with the ERA, it is likely that Site 5 falls into the intermediate category of Hull and Suter (1993).

Remediation of Site 5 sediment could result in ecological impacts associated with habitat alteration. In addition to the eco-toxicological risks associated with contamination of sediment, the risks associated with remediation (e.g., habitat alteration) must be considered. Physical alteration of wetland and aquatic habitat at Site 5 could result in significant habitat alterations, resulting in ecological impacts including:

- destruction of wetland vegetation;
- alteration of wetland hydrology;
- alteration of the ability of the Site 5 drainage ditch to provide wildlife habitat, including food, shelter, over-wintering, and breeding areas for wildlife; and
- alteration of the ability of Site 5 to perform wetland functions, including flood water storage, surface water purification, sediment pollution absorption, and sediment load deposition.

Because of the technical difficulties associated with successful wetland restoration and the ecological and financial costs associated with wetland habitat destruction and restoration, alternatives resulting in avoidance of impacts to wetland should be evaluated at this site. Source control and confining activities to parts of the drainage ditch with significant contaminant "hot spots" should be considered.

If "hot spot" remediation is the selected alternative at the Site 5 drainage ditch, residual TPH and PCB sediment contamination would remain in the ditch following "hot spot" remediation. Therefore, a biomonitoring plan should be implemented to monitor any short- and long-term impacts associated with residual contamination in sediment.

If avoidance of wetland alteration is not possible, alternatives resulting in minimization of impacts to the wetland at the site should be considered. Mitigation should only be selected as the preferred alternative if the avoidance and minimization options have been explored.

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APPENDIX A

VALIDATED REMEDIAL INVESTIGATION AND BASELINE REMEDIAL ASSESSMENT DATA

1991 DATA

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER

Lab Sample Number:		20237003			20237002			20237002DL			20237004		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		CEF-5-3			CEF-5-4			CEF-5-4_DL			CEF-5-5		
Collect Date:		20-NOV-91			20-NOV-91			20-NOV-91			20-NOV-91		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/l												
Chloromethane		60 U	ug/l	60	35 U	ug/l	35	-	ug/l		50 U	ug/l	50
Bromomethane		60 U	ug/l	60	35 U	ug/l	35	-	ug/l		50 U	ug/l	50
Vinyl chloride		60 U	ug/l	60	35 U	ug/l	35	-	ug/l		50 U	ug/l	50
Chloroethane		60 U	ug/l	60	35 U	ug/l	35	-	ug/l		50 U	ug/l	50
Methylene chloride		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Acetone		1200 U	ug/l	60	680 J	ug/l	35	-	ug/l		630	ug/l	50
Carbon disulfide		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,1-Dichloroethene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,1-Dichloroethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,2-Dichloroethene (total)		30 U	ug/l	30	14 J	ug/l	18	-	ug/l		25 U	ug/l	25
Chloroform		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,2-Dichloroethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
2-Butanone		150	ug/l	60	120	ug/l	35	-	ug/l		110	ug/l	50
1,1,1-Trichloroethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Carbon tetrachloride		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Bromodichloromethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,2-Dichloropropane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
cis-1,3-Dichloropropene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Trichloroethene		30 U	ug/l	30	19	ug/l	18	-	ug/l		25 U	ug/l	25
Dibromochloromethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
1,1,2-Trichloroethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Benzene		30 U	ug/l	30	8 J	ug/l	18	-	ug/l		9 J	ug/l	25
trans-1,3-Dichloropropene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Bromoform		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
4-Methyl-2-pentanone		130 U	ug/l	30	190	ug/l	35	- J	ug/l		88	ug/l	25
2-Hexanone		60 U	ug/l	30	35 U	ug/l	35	-	ug/l		50 U	ug/l	50
Tetrachloroethene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Toluene		160	ug/l	30	180	ug/l	18	-	ug/l		90	ug/l	25
1,1,2,2-Tetrachloroethane		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Chlorobenzene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Ethylbenzene		28 J	ug/l	30	41	ug/l	18	-	ug/l		29	ug/l	25
Styrene		30 U	ug/l	30	18 U	ug/l	18	-	ug/l		25 U	ug/l	25
Xylenes (total)		150	ug/l	30	200	ug/l	18	-	ug/l		99	ug/l	25

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER

Lab Sample Number:	20237005				20237005DL				20253011			
Site	CECIL				CECIL				CECIL			
Locator	CEF-5-6				CEF-5-6_DL				CEF-5-7S			
Collect Date:	20-NOV-91				20-NOV-91				22-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW ug/l												
Chloromethane	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
Bromomethane	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
Vinyl chloride	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
Chloroethane	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
Methylene chloride	100	U	ug/l	100	250	U	ug/l	250	17	U	ug/l	5
Acetone	6400	J	ug/l	200	8500	J	ug/l	500	27	U	ug/l	10
Carbon disulfide	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,1-Dichloroethene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,1-Dichloroethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,2-Dichloroethane (total)	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Chloroform	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,2-Dichloroethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
2-Butanone	390	U	ug/l	200	570	U	ug/l	500	10	U	ug/l	10
1,1,1-Trichloroethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Carbon tetrachloride	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Bromodichloromethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,2-Dichloropropane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
cis-1,3-Dichloropropene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Trichloroethene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Dibromochloromethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
1,1,2-Trichloroethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Benzene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
trans-1,3-Dichloropropene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Bromoform	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
4-Methyl-2-pentanone	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
2-Hexanone	200	U	ug/l	200	500	U	ug/l	500	10	U	ug/l	10
Tetrachloroethene	100	U	ug/l	200	250	U	ug/l	250	5	U	ug/l	5
Toluene	110		ug/l	100	140	J	ug/l	250	5	U	ug/l	5
1,1,2,2-Tetrachloroethane	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Chlorobenzene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Ethylbenzene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Styrene	100	U	ug/l	100	250	U	ug/l	250	5	U	ug/l	5
Xylenes (total)	86	J	ug/l	100	110	J	ug/l	250	5	U	ug/l	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:	20237003				20237003DL				20237002				20237002DL			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-5-3				CEF-5-3_DL				CEF-5-4				CEF-5-4_DL			
Collect Date:	20-NOV-91				20-NOV-91				20-NOV-91				20-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES ug/l																
Phenol	100		ug/l	10	120	J	ug/l	20	110		ug/l	10	100	J	ug/l	25
bis(2-Chloroethyl) ether	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2-Chlorophenol	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
1,3-Dichlorobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
1,4-Dichlorobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Benzyl Alcohol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
1,2-Dichlorobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2-Methylphenol	68		ug/l	10	77	J	ug/l	20	88		ug/l	10	78	J	ug/l	25
bis(2-Chloroisopropyl) ether	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
4-Methylphenol	410	J	ug/l	10	580	J	ug/l	20	660	J	ug/l	10	670	J	ug/l	25
N-Nitroso-di-n-propylamine	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Hexachloroethane	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Nitrobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Isophorone	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2-Nitrophenol	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,4-Dimethylphenol	64		ug/l	10	86	J	ug/l	20	10	U	ug/l	10	74	J	ug/l	25
Benzoic Acid	370	J	ug/l	50	530	J	ug/l	100	16	J	ug/l	50	220	J	ug/l	120
bis(2-Chloroethoxy) methane	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
2,4-Dichlorophenol	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
1,2,4-Trichlorobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Naphthalene	100		ug/l	10	110	J	ug/l	20	140		ug/l	10	140	J	ug/l	25
4-Chloroaniline	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Hexachlorobutadiene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
4-Chloro-3-methylphenol	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
2-Methylnaphthalene	59		ug/l	10	66	J	ug/l	20	86		ug/l	10	86	J	ug/l	25
Hexachlorocyclopentadiene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,4,6-Trichlorophenol	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,4,5-Trichlorophenol	50	U	ug/l	50	100	UJ	ug/l	100	50	U	ug/l	50	120	UJ	ug/l	120
2-Chloronaphthalene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2-Nitroaniline	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
Dimethylphthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Acenaphthylene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,6-Dinitrotoluene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
3-Nitroaniline	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
Acenaphthene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,4-Dinitrophenol	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
4-Nitrophenol	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
Dibenzofuran	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
2,4-Dinitrotoluene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Diethylphthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
4-Chlorophenyl-phenylether	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Fluorene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
4-Nitroaniline	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	100	UJ	ug/l	100	50	U	ug/l	50	120	UJ	ug/l	120
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
4-Bromophenyl-phenylether	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Hexachlorobenzene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Pentachlorophenol	50	U	ug/l	50	100	U	ug/l	100	50	U	ug/l	50	120	U	ug/l	120
Phenanthrene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Anthracene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:	20237003				20237003DL				20237002				202370020L			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-5-3				CEF-5-3_DL				CEF-5-4				CEF-5-4_DL			
Collect Date:	20-NOV-91				20-NOV-91				20-NOV-91				20-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-butylphthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Fluoranthene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Pyrene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
Butylbenzylphthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
3,3'-Dichlorobenzidine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Chrysene	10	U	ug/l	10	20	U	ug/l	20	10	U	ug/l	10	25	U	ug/l	25
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Di-n-octylphthalate	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Benzo (b) fluoranthene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Benzo (k) fluoranthene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Benzo (a) pyrene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Dibenz (a,h) anthracene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25
Benzo (g,h,i) perylene	10	U	ug/l	10	20	UJ	ug/l	20	10	U	ug/l	10	25	UJ	ug/l	25

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:		20237004			20237004DL			20237005			20253011		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		CEF-5-5			CEF-5-5_DL			CEF-5-6			CEF-5-7S		
Collect Date:		20-NOV-91			20-NOV-91			20-NOV-91			22-NOV-91		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES	ug/l												
Phenol		100	ug/l	10	140 J	ug/l	40	120	ug/l	75	10 U	ug/l	10
bis(2-Chloroethyl) ether		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2-Chlorophenol		10 U	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
1,3-Dichlorobenzene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
1,4-Dichlorobenzene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Benzyl Alcohol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichlorobenzene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2-Methylphenol		59	ug/l	10	89 J	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Methylphenol		9 J	ug/l	10	230 J	ug/l	40	330	ug/l	75	10 U	ug/l	10
N-Nitroso-di-n-propylamine		10 UJ	ug/l	10	40 UJ	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Hexachloroethane		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Nitrobenzene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Isophorone		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2-Nitrophenol		10 U	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4-Dimethylphenol		90	ug/l	10	41 J	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Benzoic Acid		760 J	ug/l	50	1000 J	ug/l	200	420	ug/l	380	50 U	ug/l	50
bis(2-Chloroethoxy) methane		10 UJ	ug/l	10	40 UJ	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4-Dichlorophenol		10 U	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
1,2,4-Trichlorobenzene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Naphthalene		150 J	ug/l	10	200 J	ug/l	40	610	ug/l	75	10 U	ug/l	10
4-Chloroaniline		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Hexachlorobutadiene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
4-Chloro-3-methylphenol		10 U	ug/l	10	40 UJ	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2-Methylnaphthalene		100 J	ug/l	10	130 J	ug/l	40	1000	ug/l	75	10 U	ug/l	10
Hexachlorocyclopentadiene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4,6-Trichlorophenol		10 U	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4,5-Trichlorophenol		50 U	ug/l	50	200 UJ	ug/l	200	380 U	ug/l	380	50 U	ug/l	50
2-Chloronaphthalene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2-Nitroaniline		50 UJ	ug/l	50	200 U	ug/l	200	380 U	ug/l	380	50 U	ug/l	50
Dimethylphthalate		10 UJ	ug/l	10	40 UJ	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Acenaphthylene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,6-Dinitrotoluene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
3-Nitroaniline		50 UJ	ug/l	50	200 U	ug/l	200	380 U	ug/l	380	50 U	ug/l	50
Acenaphthene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4-Dinitrophenol		50 U	ug/l	50	200 U	ug/l	200	380 U	ug/l	380	50 U	ug/l	50
4-Nitrophenol		50 U	ug/l	50	200 U	ug/l	200	380 U	ug/l	380	50 U	ug/l	50
Dibenzofuran		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
2,4-Dinitrotoluene		10 UJ	ug/l	10	40 U	ug/l	40	75 U	ug/l	75	10 U	ug/l	10
Diethylphthalate		10 UJ	ug/l	10	40 UJ	ug/l	40	75 U	ug/l	75	10 U	ug/l	10

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:	20237004				20237004DL				20237005				20253011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-5-5				CEF-5-5_DL				CEF-5-6				CEF-5-7S			
Collect Date:	20-NOV-91				20-NOV-91				20-NOV-91				22-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Fluorene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
4-Nitroaniline	50	UJ	ug/l	50	200	U	ug/l	200	380	U	ug/l	380	50	U	ug/l	50
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	200	UJ	ug/l	200	380	U	ug/l	380	50	U	ug/l	50
N-Nitrosodiphenylamine (1)	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
4-Bromophenyl-phenylether	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Hexachlorobenzene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Pentachlorophenol	50	U	ug/l	50	200	U	ug/l	200	380	U	ug/l	380	50	U	ug/l	50
Phenanthrene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Anthracene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Di-n-butylphthalate	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	2	J	ug/l	10
Fluoranthene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Pyrene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Butylbenzylphthalate	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
3,3'-Dichlorobenzidine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Benzo (a) anthracene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Chrysene	10	UJ	ug/l	10	40	U	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	UJ	ug/l	10	40	UJ	ug/l	40	1400		ug/l	75	44		ug/l	10
Di-n-octylphthalate	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Benzo (b) fluoranthene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Benzo (k) fluoranthene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Benzo (a) pyrene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Dibenz (a,h) anthracene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10
Benzo (g,h,i) perylene	10	UJ	ug/l	10	40	UJ	ug/l	40	75	U	ug/l	75	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
METALS AND CYANIDE

Lab Sample Number:	20237003			20237002			20237004			20237005		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	CEF-5-3			CEF-5-4			CEF-5-5			CEF-5-6		
Collect Date:	20-NOV-91			20-NOV-91			20-NOV-91			20-NOV-91		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP METALS AND CYANIDE ug/l												
Aluminum	35700	ug/l	200	180000	ug/l	200	94100	ug/l	200	56000	ug/l	200
Antimony	40 U	ug/l	60	40 U	ug/l	60	40 U	ug/l	60	40 U	ug/l	60
Arsenic	19.9	ug/l	10	10.8	ug/l	10	11	ug/l	10	7.5 J	ug/l	10
Barium	91.3 J	ug/l	200	203 J	ug/l	200	98.1 J	ug/l	200	65.5 J	ug/l	200
Beryllium	.1 U	ug/l	5	.58 J	ug/l	5	.1 U	ug/l	5	.1 U	ug/l	5
Cadmium	1.6 U	ug/l	5	1.6 U	ug/l	5	1.6 U	ug/l	5	1.6 U	ug/l	5
Calcium	4620 J	ug/l	5000	4610 J	ug/l	5000	5700	ug/l	5000	15800	ug/l	5000
Chromium	29.2	ug/l	10	142	ug/l	10	82.1	ug/l	10	54.4	ug/l	10
Cobalt	5.1 U	ug/l	50	5.1 U	ug/l	50	5.1 U	ug/l	50	5.1 U	ug/l	50
Copper	5.1 J	ug/l	25	24.3 J	ug/l	25	19.2 J	ug/l	25	12.5 J	ug/l	25
Iron	14000	ug/l	100	18600	ug/l	100	23400	ug/l	100	40000	ug/l	100
Lead	10.2	ug/l	5	32.6	ug/l	5	23.8	ug/l	5	122	ug/l	5
Magnesium	2720 J	ug/l	5000	5660	ug/l	5000	3740 J	ug/l	5000	2720 J	ug/l	5000
Manganese	59.2	ug/l	15	53.4	ug/l	15	85.9	ug/l	15	72.6	ug/l	15
Mercury	.16 U	ug/l	.2	.45	ug/l	.2	.16 U	ug/l	.2	.16 U	ug/l	.2
Nickel	20.2 J	ug/l	40	42.4	ug/l	40	54.2	ug/l	40	12.8 J	ug/l	40
Potassium	1460 J	ug/l	5000	3690 J	ug/l	5000	3090 J	ug/l	5000	3840 J	ug/l	5000
Selenium	4.6 J	ug/l	5	2.9 J	ug/l	5	16.8 J	ug/l	5	18	ug/l	5
Silver	2.3 U	ug/l	10	2.3 U	ug/l	10	2.3 U	ug/l	10	2.3 U	ug/l	10
Sodium	11500 J	ug/l	5000	7320 J	ug/l	5000	11400 J	ug/l	5000	4380 J	ug/l	5000
Thallium	1.4 U	ug/l	10	1.4 U	ug/l	10	1.4 U	ug/l	10	1.4 U	ug/l	10
Vanadium	155	ug/l	50	290	ug/l	50	335	ug/l	50	52.1	ug/l	50
Zinc	26.4	ug/l	20	36.3	ug/l	20	38.6	ug/l	20	144	ug/l	20
Cyanide	1.8 UJ	ug/l	10	1.8 UJ	ug/l	10	1.8 UJ	ug/l	10	1.8 UJ	ug/l	10

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NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
METALS AND CYANIDE

Lab Sample Number:	20253011
Site	CECIL
Locator	CEF-5-7S
Collect Date:	22-NOV-91

		VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	ug/l				
Aluminum		238000		ug/l	200
Antimony		40	UJ	ug/l	60
Arsenic		8	J	ug/l	10
Barium		235		ug/l	200
Beryllium		2.2	J	ug/l	5
Cadmium		1.6	U	ug/l	5
Calcium		120000		ug/l	5000
Chromium		166		ug/l	10
Cobalt		9.6	UJ	ug/l	50
Copper		58.5		ug/l	25
Iron		28600		ug/l	100
Lead		86.3		ug/l	5
Magnesium		6910		ug/l	5000
Manganese		181	J	ug/l	15
Mercury		.45		ug/l	.2
Nickel		34.8	J	ug/l	40
Potassium		4130	J	ug/l	5000
Selenium		10.9	UJ	ug/l	5
Silver		2.3	U	ug/l	10
Sodium		6290	J	ug/l	5000
Thallium		1.4	UJ	ug/l	10
Vanadium		190		ug/l	50
Zinc		94.7		ug/l	20
Cyanide		1.8	UJ	ug/l	10

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UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
PESTICIDES

Lab Sample Number:	20237003				20237002				20237004				20237005			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-5-3				CEF-5-4				CEF-5-5				CEF-5-6			
Collect Date:	20-NOV-91				20-NOV-91				20-NOV-91				20-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS ug/l																
alpha-BHC	5	U	ug/l	5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
beta-BHC	5	U	ug/l	5	.5	U	ug/l	.5	.5	U	ug/l	.5	4.5	J	ug/l	1
delta-BHC	5	U	ug/l	5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
gamma-BHC (Lindane)	5	U	ug/l	5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Heptachlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Aldrin	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Heptachlor epoxide	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Endosulfan I	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Dieldrin	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
4,4'-DDE	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Endosulfan II	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
4,4'-DDD	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endosulfan sulfate	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
4,4'-DDT	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methoxychlor	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Endrin ketone	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
alpha Chlordane	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
gamma-Chlordane	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Toxaphene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	20	U	ug/l	20
Aroclor-1016	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Aroclor-1221	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Aroclor-1232	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Aroclor-1242	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Aroclor-1248	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
Aroclor-1254	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	20	U	ug/l	20
Aroclor-1260	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	20	U	ug/l	20

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NAS CECIL FIELD -- SITE 5 -- GROUNDWATER
PESTICIDES

Lab Sample Number:	20253011
Site	CECIL
Locator	CEF-5-7S
Collect Date:	22-NOV-91

		VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS	ug/l				
alpha-BHC		.05	UJ	ug/l	.05
beta-BHC		.05	U	ug/l	.05
delta-BHC		.05	U	ug/l	.05
gamma-BHC (Lindane)		.05	UJ	ug/l	.05
Heptachlor		.05	UJ	ug/l	.05
Aldrin		.05	UJ	ug/l	.05
Heptachlor epoxide		.05	U	ug/l	.05
Endosulfan I		.05	U	ug/l	.05
Dieldrin		.1	UJ	ug/l	.1
4,4'-DDE		-		ug/l	
Endrin		.1	UJ	ug/l	.1
Endosulfan II		.1	UJ	ug/l	.1
4,4'-DDD		-		ug/l	
Endosulfan sulfate		.1	U	ug/l	.1
4,4'-DDT		-		ug/l	
Methoxychlor		.5	U	ug/l	.5
Endrin ketone		.1	U	ug/l	.1
alpha Chlordane		.5	UJ	ug/l	.5
gamma-Chlordane		.5	UJ	ug/l	.5
Toxaphene		1	U	ug/l	1
Aroclor-1016		.5	U	ug/l	.5
Aroclor-1221		.5	U	ug/l	.5
Aroclor-1232		.5	U	ug/l	.5
Aroclor-1242		.5	U	ug/l	.5
Aroclor-1248		.5	U	ug/l	.5
Aroclor-1254		1	UJ	ug/l	1
Aroclor-1260		1	UJ	ug/l	1

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
VOLATILES

Lab Sample Number:	20319001				20319002				20319003				20319004		
Site	CECIL				CECIL				CECIL				CECIL		
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2		
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS ug/kg																
Chloromethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Bromomethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Vinyl Chloride	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Chloroethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Methylene Chloride	730	U	ug/kg	690	1100	U	ug/kg	770	1200	U	ug/kg	760	900	U	ug/kg	740
Acetone	2800	U	ug/kg	1400	1500	U	ug/kg	1500	5600	U	ug/kg	1500	1800	U	ug/kg	1500
Carbon Disulfide	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,1-Dichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,2-Dichloroethene (total)	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Chloroform	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,2-Dichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
2-Butanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
1,1,1-Trichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Carbon tetrachloride	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Vinyl Acetate	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Bromodichloromethane	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloropropane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
cis-1,3-Dichloropropene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Trichloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Dibromochloromethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,1,2-Trichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Benzene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
trans-1,3-Dichloropropene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Bromoform	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
4-Methyl-2-pentanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
2-Hexanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Tetrachloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Toluene	690	U	ug/kg	690	160	J	ug/kg	770	760	U	ug/kg	760	160	J	ug/kg	740
1,1,2,2-Tetrachloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Chlorobenzene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Ethyl Benzene	690	U	ug/kg	690	790		ug/kg	770	760	U	ug/kg	760	1100		ug/kg	740
Styrene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Xylenes (total)	240	J	ug/kg	690	2000		ug/kg	770	760	U	ug/kg	760	2800		ug/kg	740

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
VOLATILES

Lab Sample Number:		20319006			20338001			20338002			20338003		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		BOR-5-3-2			BOR5-4-1			BOR5-4-2			BOR5-5-1		
Collect Date:		03-DEC-91			03-DEC-91			03-DEC-91			03-DEC-91		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS	ug/kg												
Chloromethane		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Bromomethane		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Vinyl Chloride		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Chloroethane		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Methylene Chloride		2400 U	ug/kg	1500	850 U	ug/kg	740	920 U	ug/kg	760	900 U	ug/kg	740
Acetone		3000 U	ug/kg	3000	1500 U	ug/kg	1500	2600 U	ug/kg	1500	1500 U	ug/kg	1500
Carbon Disulfide		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
1,1-Dichloroethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
1,2-Dichloroethene (total)		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Chloroform		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
1,2-Dichloroethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
2-Butanone		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
1,1,1-Trichloroethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Carbon tetrachloride		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Vinyl Acetate		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
cis-1,3-Dichloropropene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Trichloroethene		380 J	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Dibromochloromethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
1,1,2-Trichloroethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Benzene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
trans-1,3-Dichloropropene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Bromoform		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
4-Methyl-2-pentanone		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
2-Hexanone		3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Tetrachloroethene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Toluene		4900	ug/kg	1500	740 U	ug/kg	740	5400	ug/kg	760	740 U	ug/kg	740
1,1,2,2-Tetrachloroethane		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Chlorobenzene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Ethyl Benzene		5300	ug/kg	1500	740 U	ug/kg	740	6000	ug/kg	760	740 U	ug/kg	740
Styrene		1500 U	ug/kg	1500	740 U	ug/kg	740	760 U	ug/kg	760	740 U	ug/kg	740
Xylenes (total)		33000	ug/kg	1500	740 U	ug/kg	740	29000	ug/kg	760	740 U	ug/kg	740

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
VOLATILES

Lab Sample Number:	20338004			20338005			20338006			20319007		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	BOR5-5-2			BOR5-6-1			BOR5-6-2			BOR-5-7-1		
Collect Date:	03-DEC-91			03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILE COMPOUNDS ug/kg												
Chloromethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Bromomethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Vinyl Chloride	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Chloroethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Methylene Chloride	930	U ug/kg	760	900	U ug/kg	740	890	U ug/kg	690	14	U ug/kg	6
Acetone	1600	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Carbon Disulfide	-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
1,1-Dichloroethene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
1,2-Dichloroethene (total)	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Chloroform	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
1,2-Dichloroethane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
2-Butanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
1,1,1-Trichloroethane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Carbon tetrachloride	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Vinyl Acetate	-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane	-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
cis-1,3-Dichloropropene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Trichloroethene	760	U ug/kg	760	740	U ug/kg	740	630	J ug/kg	690	6	U ug/kg	6
Dibromochloromethane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
1,1,2-Trichloroethane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Benzene	760	U ug/kg	760	740	U ug/kg	740	160	J ug/kg	690	6	U ug/kg	6
trans-1,3-Dichloropropene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Bromoform	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
4-Methyl-2-pentanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
2-Hexanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1400	U ug/kg	1400	11	U ug/kg	11
Tetrachloroethene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Toluene	400	J ug/kg	760	150	J ug/kg	740	8600	ug/kg	690	6	U ug/kg	6
1,1,2,2-Tetrachloroethane	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Chlorobenzene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Ethyl Benzene	1000	ug/kg	760	740	U ug/kg	740	8500	ug/kg	690	6	U ug/kg	6
Styrene	760	U ug/kg	760	740	U ug/kg	740	690	U ug/kg	690	6	U ug/kg	6
Xylenes (total)	6200	ug/kg	760	980	ug/kg	740	55000	ug/kg	690	2	J ug/kg	6

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
VOLATILES

Lab Sample Number:		20338007			20338008			20338009		
Site		CECIL			CECIL			CECIL		
Locator		BOR5-7-2			BOR5-8-1			BOR5-8-2		
Collect Date:		03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS ug/kg																
Chloromethane	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Bromomethane	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Vinyl Chloride	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Chloroethane	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Methylene Chloride	880	U	ug/kg	750	35	U	ug/kg	6	31	UJ	ug/kg	6
Acetone	2700	U	ug/kg	1500	12	U	ug/kg	11	12	U	ug/kg	12
Carbon Disulfide	-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
1,1-Dichloroethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
1,2-Dichloroethene (total)	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Chloroform	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
1,2-Dichloroethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
2-Butanone	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
1,1,1-Trichloroethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Carbon tetrachloride	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Vinyl Acetate	-		ug/kg		-		ug/kg		-		ug/kg	
Bromodichloromethane	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloropropane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
cis-1,3-Dichloropropene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Trichloroethene	300	J	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Dibromochloromethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
1,1,2-Trichloroethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Benzene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
trans-1,3-Dichloropropene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Bromoform	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
4-Methyl-2-pentanone	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
2-Hexanone	1500	U	ug/kg	1500	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Tetrachloroethene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Toluene	330	J	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
1,1,2,2-Tetrachloroethane	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Chlorobenzene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Ethyl Benzene	250	J	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Styrene	750	U	ug/kg	750	6	UJ	ug/kg	6	6	UJ	ug/kg	6
Xylenes (total)	1300		ug/kg	750	5	J	ug/kg	6	4	UJ	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES ug/kg																
Phenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Chloroethyl) ether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Chlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,3-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,4-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzyl Alcohol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Chloroisopropyl) ether	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
4-Methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
N-Nitroso-di-n-propylamine	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachloroethane	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Nitrobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Isophorone	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Nitrophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dimethylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzoic Acid	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
bis(2-Chloroethoxy) methane	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dichlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,2,4-Trichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Naphthalene	3100	U	ug/kg	2640	1900		ug/kg	1320	1500	U	ug/kg	1320	1200	J	ug/kg	1320
4-Chloroaniline	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorobutadiene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Chloro-3-methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Methylnaphthalene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorocyclopentadiene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4,6-Trichlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4,5-Trichlorophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
2-Chloronaphthalene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Dimethylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Acenaphthylene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,6-Dinitrotoluene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
3-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Acenaphthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dinitrophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
4-Nitrophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Dibenzofuran	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dinitrotoluene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Diethylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Chlorophenyl-phenylether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Fluorene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
4,6-Dinitro-2-methylphenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
N-Nitrosodiphenylamine (1)	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Bromophenyl-phenylether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Pentachlorophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Phenanthrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-butylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Butylbenzylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Chrysene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Ethylhexyl) phthalate	470	J	ug/kg	2640	350	J	ug/kg	1320	280	J	ug/kg	1320	1600	U	ug/kg	1320
Di-n-octylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (b) fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (k) fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (a) pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Indeno (1,2,3-cd) pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Dibenz (a,h) anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (g,h,i) perylene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20319006				20319007				20338001				20338002			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-3-2				BOR-5-7-1				BOR5-4-1				BOR5-4-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES ug/kg																
Phenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
bis(2-Chloroethyl) ether	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Chlorophenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
1,3-Dichlorobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
1,4-Dichlorobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzyl Alcohol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Methylphenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
bis(2-Chloroisopropyl) ether	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
4-Methylphenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
N-Nitroso-di-n-propylamine	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Hexachloroethane	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Nitrobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Isophorone	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Nitrophenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,4-Dimethylphenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzoic Acid	9400	U	ug/kg	8000	1800	U	ug/kg	330	18000	U	ug/kg	18000	19000	U	ug/kg	19000
bis(2-Chloroethoxy) methane	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,4-Dichlorophenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
1,2,4-Trichlorobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Naphthalene	15000		ug/kg	1650	380	U	ug/kg	330	2000	J	ug/kg	3800	16000		ug/kg	3600
4-Chloroaniline	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Hexachlorobutadiene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
4-Chloro-3-methylphenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Methylnaphthalene	1900	U	ug/kg	1650	380	U	ug/kg	330	4800		ug/kg	3800	23000		ug/kg	16000
Hexachlorocyclopentadiene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,4,6-Trichlorophenol	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,4,5-Trichlorophenol	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
2-Chloronaphthalene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Nitroaniline	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
Dimethylphthalate	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Acenaphthylene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,6-Dinitrotoluene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
3-Nitroaniline	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
Acenaphthene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,4-Dinitrophenol	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
4-Nitrophenol	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
Dibenzofuran	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	970	J	ug/kg	3900
2,4-Dinitrotoluene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Diethylphthalate	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20319006				20319007				20338001				20338002			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-3-2				BOR-5-7-1				BOR5-4-1				BOR5-4-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Fluorene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
4-Nitroaniline	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
4-Bromophenyl-phenylether	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Hexachlorobenzene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Pentachlorophenol	9400	U	ug/kg	8000	1800	U	ug/kg	1600	18000	U	ug/kg	18000	19000	U	ug/kg	19000
Phenanthrene	650	J	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Anthracene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Di-n-butylphthalate	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Fluoranthene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Pyrene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Butylbenzylphthalate	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Chrysene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
bis(2-Ethylhexyl) phthalate	1300	J	ug/kg	1650	96	J	ug/kg	330	3800	U	ug/kg	3800	460	J	ug/kg	3900
Di-n-octylphthalate	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzo (b) fluoranthene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzo (k) fluoranthene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzo (a) pyrene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Indeno (1,2,3-cd) pyrene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Dibenz (a,h) anthracene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Benzo (g,h,i) perylene	1900	U	ug/kg	1650	380	U	ug/kg	330	3800	U	ug/kg	3800	3900	U	ug/kg	3900

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:		20338003			20338004			20338005			20338006		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		BOR5-5-1			BOR5-5-2			BOR5-6-1			BOR5-6-2		
Collect Date:		03-DEC-91			03-DEC-91			03-DEC-91			03-DEC-91		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES	ug/kg												
Phenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	14000	ug/kg	3900
bis(2-Chloroethyl) ether		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2-Chlorophenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
1,3-Dichlorobenzene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
1,4-Dichlorobenzene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Benzyl Alcohol		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichlorobenzene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2-Methylphenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	4700	ug/kg	3900
bis(2-Chloroisopropyl) ether		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
4-Methylphenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	1900 J	ug/kg	3700	42000	ug/kg	3900
N-Nitroso-di-n-propylamine		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Hexachloroethane		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Nitrobenzene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Isophorone		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2-Nitrophenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,4-Dimethylphenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Benzoic Acid		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
bis(2-Chloroethoxy) methane		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,4-Dichlorophenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
1,2,4-Trichlorobenzene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Naphthalene		6000	ug/kg	3900	5900	ug/kg	3500	10000	ug/kg	3700	26000	ug/kg	3900
4-Chloroaniline		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Hexachlorobutadiene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
4-Chloro-3-methylphenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2-Methylnaphthalene		13000	ug/kg	3900	14000	ug/kg	3500	19000	ug/kg	3700	32000	ug/kg	3900
Hexachlorocyclopentadiene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,4,6-Trichlorophenol		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,4,5-Trichlorophenol		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
2-Chloronaphthalene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2-Nitroaniline		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
Dimethylphthalate		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Acenaphthylene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,6-Dinitrotoluene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
3-Nitroaniline		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
Acenaphthene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
2,4-Dinitrophenol		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
4-Nitrophenol		19000 U	ug/kg	19000	17000 U	ug/kg	17000	18000 U	ug/kg	18000	19000 U	ug/kg	19000
Dibenzofuran		530 J	ug/kg	3900	490 J	ug/kg	3500	1100 J	ug/kg	3700	1600 J	ug/kg	3900
2,4-Dinitrotoluene		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900
Diethylphthalate		3900 U	ug/kg	3900	3500 U	ug/kg	3500	3700 U	ug/kg	3700	3900 U	ug/kg	3900

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20338003				20338004				20338005				20338006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-5-1				BOR5-5-2				BOR5-6-1				BOR5-6-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Fluorene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
4-Nitroaniline	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
4-Bromophenyl-phenylether	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Hexachlorobenzene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Pentachlorophenol	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000	19000	U	ug/kg	19000
Phenanthrene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	470	J	ug/kg	3900
Anthracene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Di-n-butylphthalate	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Fluoranthene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Pyrene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Butylbenzylphthalate	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Chrysene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
bis(2-Ethylhexyl) phthalate	3900	U	ug/kg	3900	3500	U	ug/kg	3500	410	J	ug/kg	3700	830	J	ug/kg	3900
Di-n-octylphthalate	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Benzo (b) fluoranthene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Benzo (k) fluoranthene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Benzo (a) pyrene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Indeno (1,2,3-cd) pyrene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Dibenz (a,h) anthracene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900
Benzo (g,h,i) perylene	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700	3900	U	ug/kg	3900

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20338007			20338008			20338009		
Site	CECIL			CECIL			CECIL		
Locator	BOR5-7-2			BOR5-8-1			BOR5-8-2		
Collect Date:	03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES ug/kg									
Phenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
bis(2-Chloroethyl) ether	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2-Chlorophenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
1,3-Dichlorobenzene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
1,4-Dichlorobenzene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Benzyl Alcohol	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichlorobenzene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2-Methylphenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
bis(2-Chloroisopropyl) ether	-	ug/kg		-	ug/kg		-	ug/kg	
4-Methylphenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
N-Nitroso-di-n-propylamine	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Hexachloroethane	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Nitrobenzene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Isophorone	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2-Nitrophenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4-Dimethylphenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Benzoic Acid	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
bis(2-Chloroethoxy) methane	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4-Dichlorophenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
1,2,4-Trichlorobenzene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Naphthalene	7900	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
4-Chloroaniline	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Hexachlorobutadiene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
4-Chloro-3-methylphenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2-Methylnaphthalene	16000	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Hexachlorocyclopentadiene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4,6-Trichlorophenol	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4,5-Trichlorophenol	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
2-Chloronaphthalene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2-Nitroaniline	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
Dimethylphthalate	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Acenaphthylene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,6-Dinitrotoluene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
3-Nitroaniline	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
Acenaphthene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4-Dinitrophenol	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
4-Nitrophenol	20000 U	ug/kg	20000	1800 U	ug/kg	1800	1900 U	ug/kg	1900
Dibenzofuran	690 J	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
2,4-Dinitrotoluene	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380
Diethylphthalate	4000 U	ug/kg	4000	380 U	ug/kg	380	380 U	ug/kg	380

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20338007				20338008				20338009			
Site	CECIL				CECIL				CECIL			
Locator	BOR5-7-2				BOR5-8-1				BOR5-8-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Fluorene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
4-Nitroaniline	20000	U	ug/kg	20000	1800	U	ug/kg	1800	1900	U	ug/kg	1900
4,6-Dinitro-2-methylphenol	20000	U	ug/kg	20000	1800	U	ug/kg	1800	1900	U	ug/kg	1900
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Hexachlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Pentachlorophenol	20000	U	ug/kg	20000	1800	U	ug/kg	1800	1900	U	ug/kg	1900
Phenanthrene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Di-n-butylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Butylbenzylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Chrysene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Di-n-octylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Benzo (b) fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Benzo (k) fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Benzo (a) pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Dibenz (a,h) anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	380	U	ug/kg	380	380	U	ug/kg	380

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
METALS AND CYANIDE

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg																
Aluminum	1070		mg/kg	40	14200		mg/kg	40	1170		mg/kg	40	8690		mg/kg	40
Antimony	9.5	UJ	mg/kg	12	9.8	UJ	mg/kg	12	9	UJ	mg/kg	12	9.4	UJ	mg/kg	12
Arsenic	.68	J	mg/kg	2	.53	J	mg/kg	2	.34	J	mg/kg	2	.63	J	mg/kg	2
Barium	2.6	J	mg/kg	40	11.9	J	mg/kg	40	2	J	mg/kg	40	8.3	J	mg/kg	40
Beryllium	.025	U	mg/kg	1	.037	UJ	mg/kg	1	.16	UJ	mg/kg	1	.13	UJ	mg/kg	1
Cadmium	.38	U	mg/kg	1	.39	U	mg/kg	1	.36	U	mg/kg	1	.38	U	mg/kg	1
Calcium	399	UJ	mg/kg	1000	164	UJ	mg/kg	1000	324	UJ	mg/kg	1000	147	UJ	mg/kg	1000
Chromium	2	J	mg/kg	2	12.8		mg/kg	2	1.6	J	mg/kg	2	8.2		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.3	J	mg/kg	10	1.2	U	mg/kg	10	1.4	J	mg/kg	10
Copper	.38	J	mg/kg	5	1.2	J	mg/kg	5	.32	UJ	mg/kg	5	.41	J	mg/kg	5
Iron	432		mg/kg	20	1060		mg/kg	20	171		mg/kg	20	983		mg/kg	20
Lead	4	J	mg/kg	1	6.7	J	mg/kg	1	8.9	J	mg/kg	1	18.7	J	mg/kg	1
Magnesium	22	UJ	mg/kg	1000	139	J	mg/kg	1000	25.1	UJ	mg/kg	1000	70.2	UJ	mg/kg	1000
Manganese	2.3	J	mg/kg	3	4.2		mg/kg	3	2.8	J	mg/kg	3	2.7	J	mg/kg	3
Mercury	.086	UJ	mg/kg	.1	.096	UJ	mg/kg	.1	.094	UJ	mg/kg	.1	.1	UJ	mg/kg	.1
Nickel	1.7	U	mg/kg	8	3.5	J	mg/kg	8	1.6	U	mg/kg	8	1.8	J	mg/kg	8
Potassium	41.8	U	mg/kg	1000	77.3	J	mg/kg	1000	39.6	U	mg/kg	1000	140	J	mg/kg	1000
Selenium	.3	J	mg/kg	1	.28	UJ	mg/kg	1	.26	UJ	mg/kg	1	.29	J	mg/kg	1
Silver	.55	U	mg/kg	2	.56	U	mg/kg	2	.52	U	mg/kg	2	.54	U	mg/kg	2
Sodium	158	UJ	mg/kg	1000	188	UJ	mg/kg	1000	154	UJ	mg/kg	1000	166	UJ	mg/kg	1000
Thallium	.33	U	mg/kg	2	.34	U	mg/kg	2	.32	U	mg/kg	2	.33	U	mg/kg	2
Vanadium	1.7	J	mg/kg	10	7.4	J	mg/kg	10	.65	J	mg/kg	10	4.6	J	mg/kg	10
Zinc	10.1	UJ	mg/kg	4	20.5	J	mg/kg	4	4.8	UJ	mg/kg	4	9.2	UJ	mg/kg	4
Cyanide	.43	U	mg/kg	2	.45	U	mg/kg	2	.4	U	mg/kg	2	.43	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
METALS AND CYANIDE

Lab Sample Number:	20319006				20319007				20338001				20338002			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-3-2				BOR-5-7-1				BOR5-4-1				BOR5-4-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg																
Aluminum	4620		mg/kg	40	1310		mg/kg	40	1130		mg/kg	40	6430		mg/kg	40
Antimony	9.3	UJ	mg/kg	12	12.5	UJ	mg/kg	12	9.3	U	mg/kg	12	9.6	U	mg/kg	12
Arsenic	.83	J	mg/kg	2	.28	J	mg/kg	2	.18	U	mg/kg	2	.58	J	mg/kg	2
Barium	9.5	J	mg/kg	40	3.6	J	mg/kg	40	2.5	J	mg/kg	40	5.6	UJ	mg/kg	40
Beryllium	.19	UJ	mg/kg	1	.29	UJ	mg/kg	1	.024	UJ	mg/kg	1	.025	U	mg/kg	1
Cadmium	.38	U	mg/kg	1	.51	U	mg/kg	1	.37	U	mg/kg	1	.39	U	mg/kg	1
Calcium	163	UJ	mg/kg	1000	38700		mg/kg	1000	409	UJ	mg/kg	1000	174	UJ	mg/kg	1000
Chromium	5.4		mg/kg	2	3	J	mg/kg	2	1.7	J	mg/kg	2	8.2		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.6	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	.99	J	mg/kg	5	3.2	J	mg/kg	5	2.4	J	mg/kg	5	.78	J	mg/kg	5
Iron	1160		mg/kg	20	320		mg/kg	20	140	J	mg/kg	20	705	J	mg/kg	20
Lead	87.4	J	mg/kg	1	6.3	J	mg/kg	1	10	J	mg/kg	1	8.8	J	mg/kg	1
Magnesium	82.9	J	mg/kg	1000	282	J	mg/kg	1000	37.8	UJ	mg/kg	1000	54.1	UJ	mg/kg	1000
Manganese	2.9	J	mg/kg	3	6.8		mg/kg	3	.85	J	mg/kg	3	1.7	J	mg/kg	3
Mercury	.089	UJ	mg/kg	.1	.12	UJ	mg/kg	.1	.093	U	mg/kg	.1	.089	U	mg/kg	.1
Nickel	2	J	mg/kg	8	2.2	U	mg/kg	8	1.6	U	mg/kg	8	2.6	J	mg/kg	8
Potassium	113	J	mg/kg	1000	55.4	U	mg/kg	1000	40.9	U	mg/kg	1000	42.5	U	mg/kg	1000
Selenium	.28	J	mg/kg	1	.36	UJ	mg/kg	1	.43	J	mg/kg	1	.46	J	mg/kg	1
Silver	.54	U	mg/kg	2	.73	U	mg/kg	2	.54	U	mg/kg	2	.56	U	mg/kg	2
Sodium	168	UJ	mg/kg	1000	231	UJ	mg/kg	1000	196	UJ	mg/kg	1000	189	UJ	mg/kg	1000
Thallium	.33	U	mg/kg	2	.44	U	mg/kg	2	.33	UJ	mg/kg	2	.34	U	mg/kg	2
Vanadium	4.4	J	mg/kg	10	2	J	mg/kg	10	.62	UJ	mg/kg	10	3	J	mg/kg	10
Zinc	7.8	UJ	mg/kg	4	6.8	UJ	mg/kg	4	2210		mg/kg	4	10.4		mg/kg	4
Cyanide	.42	U	mg/kg	2	.57	U	mg/kg	2	.42	U	mg/kg	2	.44	U	mg/kg	2

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
METALS AND CYANIDE

Lab Sample Number:	20338003				20338004				20338005				20338006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-5-1				BOR5-5-2				BOR5-6-1				BOR5-6-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg																
Aluminum	882		mg/kg	40	6490		mg/kg	40	938		mg/kg	40	4910		mg/kg	40
Antimony	9.5	U	mg/kg	12	9.5	U	mg/kg	12	9	U	mg/kg	12	9.3	U	mg/kg	12
Arsenic	.18	U	mg/kg	2	.29	J	mg/kg	2	.17	U	mg/kg	2	.25	J	mg/kg	2
Barium	6.8	J	mg/kg	40	5.3	J	mg/kg	40	5.1	J	mg/kg	40	7.6	J	mg/kg	40
Beryllium	.025	UJ	mg/kg	1	.025	UJ	mg/kg	1	.024	UJ	mg/kg	1	.025	UJ	mg/kg	1
Cadmium	.59	J	mg/kg	1	.38	U	mg/kg	1	.36	U	mg/kg	1	.38	U	mg/kg	1
Calcium	532	UJ	mg/kg	1000	313	UJ	mg/kg	1000	3040	J	mg/kg	1000	1350	J	mg/kg	1000
Chromium	1	J	mg/kg	2	7.2		mg/kg	2	1.4	J	mg/kg	2	5		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	.34	U	mg/kg	5	.34	U	mg/kg	5	.52	J	mg/kg	5	.33	U	mg/kg	5
Iron	136	J	mg/kg	20	446	J	mg/kg	20	284	J	mg/kg	20	773	J	mg/kg	20
Lead	8.7	J	mg/kg	1	10.4	J	mg/kg	1	70.3	J	mg/kg	1	38	J	mg/kg	1
Magnesium	44.1	UJ	mg/kg	1000	49.8	UJ	mg/kg	1000	43.4	UJ	mg/kg	1000	53.4	UJ	mg/kg	1000
Manganese	.48	J	mg/kg	3	1.5	J	mg/kg	3	1.5	J	mg/kg	3	2.1	J	mg/kg	3
Mercury	.092	U	mg/kg	.1	.086	U	mg/kg	.1	.085	U	mg/kg	.1	.083	U	mg/kg	.1
Nickel	1.6	U	mg/kg	8	1.7	U	mg/kg	8	1.6	U	mg/kg	8	1.9	J	mg/kg	8
Potassium	41.7	U	mg/kg	1000	71.8	J	mg/kg	1000	39.8	U	mg/kg	1000	152	J	mg/kg	1000
Selenium	.65	J	mg/kg	1	.34	J	mg/kg	1	.3	J	mg/kg	1	.63	J	mg/kg	1
Silver	.55	U	mg/kg	2	.55	U	mg/kg	2	.52	U	mg/kg	2	.54	U	mg/kg	2
Sodium	185	UJ	mg/kg	1000	193	UJ	mg/kg	1000	175	UJ	mg/kg	1000	214	UJ	mg/kg	1000
Thallium	.33	U	mg/kg	2	.34	UJ	mg/kg	2	.32	UJ	mg/kg	2	.33	UJ	mg/kg	2
Vanadium	.63	UJ	mg/kg	10	2.3	J	mg/kg	10	.74	J	mg/kg	10	2.6	J	mg/kg	10
Zinc	9.5		mg/kg	4	4.1	J	mg/kg	4	4.5	J	mg/kg	4	4.2	J	mg/kg	4
Cyanide	.43	U	mg/kg	2	.43	U	mg/kg	2	.41	U	mg/kg	2	.42	U	mg/kg	2

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
METALS AND CYANIDE

Lab Sample Number:	20338007				20338008				20338009			
Site	CECIL				CECIL				CECIL			
Locator	BOR5-7-2				BOR5-8-1				BOR5-8-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg												
Aluminum	3680		mg/kg	40	1200		mg/kg	40	1670		mg/kg	40
Antimony	9.7	U	mg/kg	12	9.1	U	mg/kg	12	9.4	U	mg/kg	12
Arsenic	.18	U	mg/kg	2	.17	U	mg/kg	2	.18	U	mg/kg	2
Barium	3.4	J	mg/kg	40	28.2	J	mg/kg	40	3.4	J	mg/kg	40
Beryllium	.025	UJ	mg/kg	1	.024	UJ	mg/kg	1	.025	UJ	mg/kg	1
Cadmium	.48	J	mg/kg	1	.49	J	mg/kg	1	.38	U	mg/kg	1
Calcium	1480	J	mg/kg	1000	233	UJ	mg/kg	1000	430	UJ	mg/kg	1000
Chromium	6.1		mg/kg	2	1.6	J	mg/kg	2	2.4		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	.35	J	mg/kg	5	.33	U	mg/kg	5	.37	J	mg/kg	5
Iron	287	J	mg/kg	20	109	J	mg/kg	20	167	J	mg/kg	20
Lead	5	J	mg/kg	1	2.5	J	mg/kg	1	2.4	J	mg/kg	1
Magnesium	41.3	UJ	mg/kg	1000	14	UJ	mg/kg	1000	26.2	UJ	mg/kg	1000
Manganese	.69	J	mg/kg	3	.49	J	mg/kg	3	.57	J	mg/kg	3
Mercury	.095	U	mg/kg	.1	.074	U	mg/kg	.1	.078	U	mg/kg	.1
Nickel	1.7	U	mg/kg	8	1.6	U	mg/kg	8	1.6	U	mg/kg	8
Potassium	42.7	U	mg/kg	1000	40.2	U	mg/kg	1000	41.4	U	mg/kg	1000
Selenium	.37	J	mg/kg	1	.72	J	mg/kg	1	.51	J	mg/kg	1
Silver	.56	U	mg/kg	2	.53	U	mg/kg	2	.54	U	mg/kg	2
Sodium	189	UJ	mg/kg	1000	168	UJ	mg/kg	1000	176	UJ	mg/kg	1000
Thallium	.34	UJ	mg/kg	2	.37	J	mg/kg	2	.33	UJ	mg/kg	2
Vanadium	2.3	J	mg/kg	10	.61	UJ	mg/kg	10	.63	UJ	mg/kg	10
Zinc	12.9		mg/kg	4	7		mg/kg	4	4.3	J	mg/kg	4
Cyanide	.44	U	mg/kg	2	.41	U	mg/kg	2	.42	U	mg/kg	2

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
PESTICIDES

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS ug/kg																
alpha-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
beta-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
delta-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
gamma-BHC (Lindane)	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Heptachlor	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Aldrin	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Heptachlor epoxide	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Endosulfan I	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Dieldrin	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDE	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endrin	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
Endosulfan II	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDD	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDT	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methoxychlor	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Endrin ketone	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
alpha Chlordane	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
gamma-Chlordane	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Toxaphene	3800	UJ	ug/kg	3200	390	UJ	ug/kg	320	1800	UJ	ug/kg	1600	390	UJ	ug/kg	320
Aroclor-1016	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1221	1900	U	ug/kg	1600	200	U	ug/kg	160	910	U	ug/kg	800	190	U	ug/kg	160
Aroclor-1232	1900	U	ug/kg	1600	200	U	ug/kg	160	910	U	ug/kg	800	190	U	ug/kg	160
Aroclor-1242	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1248	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1254	3800	UJ	ug/kg	3200	390	UJ	ug/kg	320	1800	UJ	ug/kg	1600	390	UJ	ug/kg	320
Aroclor-1260	1500	J	ug/kg	3200	180	J	ug/kg	320	1000	J	ug/kg	1600	120	J	ug/kg	320

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
PESTICIDES

Lab Sample Number:		20319006				20338001				20338002				20338003			
Site		CECIL				CECIL				CECIL				CECIL			
Locator		BOR-5-3-2				BOR5-4-1				BOR5-4-2				BOR5-5-1			
Collect Date:		03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS	ug/kg																
alpha-BHC		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
beta-BHC		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
delta-BHC		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
gamma-BHC (Lindane)		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
Heptachlor		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
Aldrin		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
Heptachlor epoxide		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
Endosulfan I		94	UJ	ug/kg	80	46	U	ug/kg	46	95	U	ug/kg	95	94	U	ug/kg	94
Dieldrin		190	UJ	ug/kg	160	92	U	ug/kg	92	190	U	ug/kg	190	190	U	ug/kg	190
4,4'-DDE		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endrin		190	UJ	ug/kg	160	92	U	ug/kg	92	190	U	ug/kg	190	190	U	ug/kg	190
Endosulfan II		190	UJ	ug/kg	160	92	U	ug/kg	92	190	U	ug/kg	190	190	U	ug/kg	190
4,4'-DDD		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate		190	UJ	ug/kg	160	92	U	ug/kg	92	190	U	ug/kg	190	190	U	ug/kg	190
4,4'-DDT		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methoxychlor		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Endrin ketone		190	UJ	ug/kg	160	92	U	ug/kg	92	190	U	ug/kg	190	190	U	ug/kg	190
alpha Chlordane		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
gamma-Chlordane		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Toxaphene		1900	UJ	ug/kg	1600	920	U	ug/kg	920	1900	U	ug/kg	1900	1900	U	ug/kg	1900
Aroclor-1016		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Aroclor-1221		940	U	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Aroclor-1232		940	U	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Aroclor-1242		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Aroclor-1248		940	UJ	ug/kg	800	460	U	ug/kg	460	950	U	ug/kg	950	940	U	ug/kg	940
Aroclor-1254		1900	UJ	ug/kg	1600	920	U	ug/kg	920	1900	U	ug/kg	1900	1900	U	ug/kg	1900
Aroclor-1260		1200	J	ug/kg	1600	320	J	ug/kg	920	610	J	ug/kg	1900	770	J	ug/kg	1900

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
PESTICIDES

Lab Sample Number:	20338004				20338005				20338006				20319007			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-5-2				BOR5-6-1				BOR5-6-2				BOR-5-7-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS ug/kg																
alpha-BHC	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
beta-BHC	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
delta-BHC	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
gamma-BHC (Lindane)	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
Heptachlor	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
Aldrin	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
Heptachlor epoxide	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
Endosulfan I	42	U	ug/kg	42	90	U	ug/kg	90	47	U	ug/kg	47	46	UJ	ug/kg	40
Dieldrin	84	U	ug/kg	84	180	U	ug/kg	180	94	U	ug/kg	94	92	UJ	ug/kg	80
4,4'-DDE	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endrin	84	U	ug/kg	84	180	U	ug/kg	180	94	U	ug/kg	94	92	UJ	ug/kg	80
Endosulfan II	84	U	ug/kg	84	180	U	ug/kg	180	94	U	ug/kg	94	92	UJ	ug/kg	80
4,4'-DDD	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate	84	U	ug/kg	84	180	U	ug/kg	180	94	U	ug/kg	94	92	UJ	ug/kg	80
4,4'-DDT	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methoxychlor	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
Endrin ketone	84	U	ug/kg	84	180	U	ug/kg	180	94	U	ug/kg	94	92	UJ	ug/kg	80
alpha Chlordane	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
gamma-Chlordane	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
Toxaphene	840	U	ug/kg	840	1800	U	ug/kg	1800	940	U	ug/kg	940	920	UJ	ug/kg	800
Aroclor-1016	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
Aroclor-1221	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	U	ug/kg	400
Aroclor-1232	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	U	ug/kg	400
Aroclor-1242	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
Aroclor-1248	420	U	ug/kg	420	900	U	ug/kg	900	470	U	ug/kg	470	460	UJ	ug/kg	400
Aroclor-1254	840	U	ug/kg	840	1800	U	ug/kg	1800	940	U	ug/kg	940	920	UJ	ug/kg	800
Aroclor-1260	490	J	ug/kg	840	770	J	ug/kg	1800	700	J	ug/kg	940	580	J	ug/kg	800

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NAS CECIL FIELD -- SITE 5 -- SUBSURFACE SOIL
PESTICIDES

Lab Sample Number:		20338007			20338008			20338009		
Site		CECIL			CECIL			CECIL		
Locator		BOR5-7-2			BOR5-8-1			BOR5-8-2		
Collect Date:		03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS	ug/kg															
alpha-BHC		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
beta-BHC		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
delta-BHC		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
gamma-BHC (Lindane)		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
Heptachlor		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
Aldrin		49	U	ug/kg	49	9.2	U	ug/kg	9.2	9.3	U	ug/kg	9.3
Heptachlor epoxide		49	U	ug/kg	49	9.2	U	ug/kg	8	9.3	U	ug/kg	9.3
Endosulfan I		49	U	ug/kg	49	9.2	U	ug/kg	8	9.3	U	ug/kg	9.3
Dieldrin		98	U	ug/kg	98	18	U	ug/kg	18	19	U	ug/kg	19
4,4'-DDE		-		ug/kg		-		ug/kg		-		ug/kg	
Endrin		98	U	ug/kg	98	18	U	ug/kg	18	19	U	ug/kg	19
Endosulfan II		98	U	ug/kg	98	18	U	ug/kg	18	19	U	ug/kg	19
4,4'-DDD		-		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate		98	U	ug/kg	98	18	U	ug/kg	18	19	U	ug/kg	19
4,4'-DDT		-		ug/kg		-		ug/kg		-		ug/kg	
Methoxychlor		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Endrin ketone		98	U	ug/kg	98	18	U	ug/kg	18	19	U	ug/kg	19
alpha Chlordane		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
gamma-Chlordane		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Toxaphene		980	U	ug/kg	980	180	U	ug/kg	180	190	U	ug/kg	190
Aroclor-1016		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Aroclor-1221		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Aroclor-1232		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Aroclor-1242		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Aroclor-1248		490	U	ug/kg	490	92	U	ug/kg	92	93	U	ug/kg	93
Aroclor-1254		980	U	ug/kg	980	180	U	ug/kg	180	190	U	ug/kg	190
Aroclor-1260		700	J	ug/kg	980	180	U	ug/kg	180	190	U	ug/kg	190

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NAS CECIL FIELD -- SITE 17 -- GROUNDWATER
VOLATILES

Lab Sample Number:		20237010			20237007			20237008			20237009		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		CEF-17-1			CEF-17-4			CEF-17-5			CEF-17-6		
Collect Date:		21-NOV-91			21-NOV-91			21-NOV-91			21-NOV-91		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	
CLP VOLATILES 90-SOW	ug/l												
Chloromethane	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
Bromomethane	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
Vinyl chloride	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
Chloroethane	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
Methylene chloride	5	UJ	ug/l	5	5	U	ug/l	5	6	U	ug/l	5	5
Acetone	10	UJ	ug/l	10	25	U	ug/l	10	12	U	ug/l	10	31
Carbon disulfide	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
1,1-Dichloroethene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
1,1-Dichloroethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	1
1,2-Dichloroethene (total)	5	UJ	ug/l	5	5	U	ug/l	5	2	U	ug/l	5	5
Chloroform	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
1,2-Dichloroethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
2-Butanone	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
1,1,1-Trichloroethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Carbon tetrachloride	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Bromodichloromethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
1,2-Dichloropropane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
cis-1,3-Dichloropropene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Trichloroethene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	6
Dibromochloromethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
1,1,2-Trichloroethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Benzene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	12
trans-1,3-Dichloropropene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Bromoform	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
4-Methyl-2-pentanone	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
2-Hexanone	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10
Tetrachloroethene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Toluene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	8
1,1,2,2-Tetrachloroethane	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Chlorobenzene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Ethylbenzene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	6
Styrene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5
Xylenes (total)	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	22

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NAS CECIL FIELD -- SITE 17 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:		20237010			20237007			20237008			20257010		
Site		CECIL			CECIL			CECIL			CECIL		
Locator		CEF-17-1			CEF-17-4			CEF-17-5			CEF-17-6		
Collect Date:		21-NOV-91			21-NOV-91			21-NOV-91			22-NOV-91		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES	ug/l												
Phenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethyl) ether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Chlorophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzyl Alcohol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol		10 U	ug/l	10	11	ug/l	10	10 U	ug/l	10	270	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Methylphenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	35	ug/l	10
N-Nitroso-di-n-propylamine		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol		10 U	ug/l	10	26	ug/l	10	10 U	ug/l	10	200	ug/l	10
Benzoic Acid		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
bis(2-Chloroethoxy) methane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10	ug/l	10
4-Chloroaniline		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Chloronaphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Dimethylphthalate		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acenaphthylene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Nitrophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Dibenzofuran		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4,6-Dinitro-2-methylphenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
N-Nitrosodiphenylamine (1)		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Phenanthrene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Anthracene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAS CECIL FIELD -- SITE 17 -- GROUNDWATER
SEMI-VOLATILES

Lab Sample Number:	20237010				20237007				20237008				20257010			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-17-1				CEF-17-4				CEF-17-5				CEF-17-6			
Collect Date:	21-NOV-91				21-NOV-91				21-NOV-91				22-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-butylphthalate	10	U	ug/l	10	2	J	ug/l	10	2	J	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3'-Dichlorobenzidine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	4	J	ug/l	10	2	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 17 -- GROUNDWATER
METALS AND CYANIDE

Lab Sample Number:	20237010				20237007				20237008				20237009			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-17-1				CEF-17-4				CEF-17-5				CEF-17-6			
Collect Date:	21-NOV-91				21-NOV-91				21-NOV-91				21-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE ug/l																
Aluminum	652		ug/l	200	75000		ug/l	200	40400		ug/l	200	77300		ug/l	200
Antimony	40	U	ug/l	60	40	U	ug/l	60	40	U	ug/l	60	40	U	ug/l	60
Arsenic	.89	J	ug/l	10	2.7	J	ug/l	10	.76	U	ug/l	10	1.4	J	ug/l	10
Barium	30.3	J	ug/l	200	76.5	J	ug/l	200	73.8	J	ug/l	200	215	J	ug/l	200
Beryllium	.1	U	ug/l	5	.64	J	ug/l	5	.1	U	ug/l	5	.1	U	ug/l	5
Cadmium	1.6	U	ug/l	5	1.6	U	ug/l	5	1.6	U	ug/l	5	1.6	U	ug/l	5
Calcium	1900	J	ug/l	5000	5330		ug/l	5000	652	UJ	ug/l	5000	1040	J	ug/l	5000
Chromium	1.9	U	ug/l	10	71.4		ug/l	10	29.3		ug/l	10	57.9		ug/l	10
Cobalt	5.1	U	ug/l	50	5.1	U	ug/l	50	5.1	U	ug/l	50	5.1	U	ug/l	50
Copper	1.6	U	ug/l	25	17.3	J	ug/l	25	8.5	J	ug/l	25	15.7	J	ug/l	25
Iron	942		ug/l	100	5920		ug/l	100	3200		ug/l	100	7380		ug/l	100
Lead	.78	U	ug/l	5	30.7		ug/l	5	13.8		ug/l	5	16.3		ug/l	5
Magnesium	1770	J	ug/l	5000	2090	J	ug/l	5000	1720	J	ug/l	5000	1710	J	ug/l	5000
Manganese	2.1	J	ug/l	15	100		ug/l	15	40		ug/l	15	95.6		ug/l	15
Mercury	.16	U	ug/l	.2	.52		ug/l	.2	.16	U	ug/l	.2	.45		ug/l	.2
Nickel	7	U	ug/l	40	10.1	J	ug/l	40	7	U	ug/l	40	7	U	ug/l	40
Potassium	208	J	ug/l	5000	1450	J	ug/l	5000	806	J	ug/l	5000	1620	J	ug/l	5000
Selenium	1.1	U	ug/l	5	4.9	J	ug/l	5	4	J	ug/l	5	2.5	J	ug/l	5
Silver	2.3	U	ug/l	10	2.3	U	ug/l	10	2.3	U	ug/l	10	2.3	U	ug/l	10
Sodium	9410	J	ug/l	5000	12300	J	ug/l	5000	10600	J	ug/l	5000	11600	J	ug/l	5000
Thallium	1.4	U	ug/l	10	1.4	U	ug/l	10	1.4	U	ug/l	10	1.4	U	ug/l	10
Vanadium	2.7	U	ug/l	50	65.3		ug/l	50	35.1	J	ug/l	50	62		ug/l	50
Zinc	3.7	U	ug/l	20	27.5		ug/l	20	19.8	J	ug/l	20	23.8		ug/l	20
Cyanide	1.8	UJ	ug/l	10	1.8	UJ	ug/l	10	1.8	UJ	ug/l	10	1.8	UJ	ug/l	10

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NAS CECIL FIELD -- SITE 17 -- GROUNDWATER
PESTICIDES

Lab Sample Number:	20237010				20237007				20237008				20257010			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEF-17-1				CEF-17-4				CEF-17-5				CEF-17-6			
Collect Date:	21-NOV-91				21-NOV-91				21-NOV-91				22-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS ug/l																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4'-DDE	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4'-DDD	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4'-DDT	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha Chlordane	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
gamma-Chlordane	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Toxaphene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1016	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1221	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1232	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1242	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1248	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW ug/kg																
Chloromethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Bromomethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Vinyl chloride	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Chloroethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Methylene chloride	29000		ug/kg	790	820	U	ug/kg	820	170		ug/kg	31	60000		ug/kg	740
Acetone	2000	UJ	ug/kg	1600	1700	U	ug/kg	1600	1100		ug/kg	62	2300	UJ	ug/kg	1500
Carbon disulfide	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,1-Dichloroethene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,1-Dichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,2-Dichloroethene (total)	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Chloroform	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,2-Dichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
2-Butanone	1600	U	ug/kg	1600	1600	U	ug/kg	1600	150		ug/kg	62	1500	U	ug/kg	1500
1,1,1-Trichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Carbon tetrachloride	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Bromodichloromethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,2-Dichloropropane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
cis-1,3-Dichloropropene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Trichloroethene	790	U	ug/kg	790	820	U	ug/kg	820	13	J	ug/kg	31	790		ug/kg	740
Dibromochloromethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,1,2-Trichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Benzene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
trans-1,3-Dichloropropene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Bromoform	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
4-Methyl-2-pentanone	1600	U	ug/kg	1600	840	J	ug/kg	1600	84		ug/kg	62	1500	U	ug/kg	1500
2-Hexanone	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Tetrachloroethene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Toluene	1600		ug/kg	790	730	J	ug/kg	820	140		ug/kg	31	1100		ug/kg	740
1,1,2,2-Tetrachloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Chlorobenzene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Ethylbenzene	700	J	ug/kg	790	490	J	ug/kg	820	20	J	ug/kg	31	1500		ug/kg	740
Styrene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Xylenes (total)	4200		ug/kg	790	3300		ug/kg	1600	110		ug/kg	62	12000		ug/kg	740

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NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL

Lab Sample Number:	20065011DL				20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-2-2DL				BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW ug/kg																
Chloromethane	2900	U	ug/kg	2900	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Bromomethane	2900	U	ug/kg	2900	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Vinyl chloride	2900	U	ug/kg	2900	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Chloroethane	2900	U	ug/kg	2900	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Methylene chloride	58000		ug/kg	1500	60	U	ug/kg	6	83		ug/kg	6	2400	U	ug/kg	1600
Acetone	3600	U	ug/kg	2900	81	U	ug/kg	11	150	U	ug/kg	12	2000	U	ug/kg	1600
Carbon disulfide	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,1-Dichloroethene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,1-Dichloroethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,2-Dichloroethene (total)	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Chloroform	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,2-Dichloroethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
2-Butanone	2900	U	ug/kg	2900	11	U	ug/kg	11	8	J	ug/kg	12	1600	U	ug/kg	1600
1,1,1-Trichloroethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Carbon tetrachloride	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Bromodichloromethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,2-Dichloropropane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
cis-1,3-Dichloropropene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Trichloroethene	770	J	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Dibromochloromethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,1,2-Trichloroethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Benzene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
trans-1,3-Dichloropropene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Bromoform	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
4-Methyl-2-pentanone	2900	U	ug/kg	2900	45		ug/kg	11	71		ug/kg	12	1600	U	ug/kg	1600
2-Hexanone	2900	U	ug/kg	2900	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Tetrachloroethene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Toluene	1100	J	ug/kg	1500	6	U	ug/kg	6	3	J	ug/kg	6	1200		ug/kg	780
1,1,2,2-Tetrachloroethane	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Chlorobenzene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Ethylbenzene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	730	J	ug/kg	780
Styrene	1500	U	ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Xylenes (total)	11000		ug/kg	1500	6	U	ug/kg	6	6	U	ug/kg	6	5000		ug/kg	780

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NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES ug/kg																
Phenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Chloroethyl) ether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Chlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,3-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,4-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzyl Alcohol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Chloroisopropyl) ether	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
4-Methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
N-Nitroso-di-n-propylamine	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachloroethane	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Nitrobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Isophorone	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Nitrophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dimethylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzoic Acid	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
bis(2-Chloroethoxy) methane	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dichlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,2,4-Trichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Naphthalene	1600	J	ug/kg	4000	9100		ug/kg	4100	4100	U	ug/kg	4100	6200		ug/kg	4000
4-Chloroaniline	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorobutadiene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Chloro-3-methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Methylnaphthalene	4000	U	ug/kg	4000	16000		ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorocyclopentadiene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4,6-Trichlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4,5-Trichlorophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
2-Chloronaphthalene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Dimethylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Acenaphthylene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,6-Dinitrotoluene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
3-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Acenaphthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dinitrophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
4-Nitrophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Dibenzofuran	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dinitrotoluene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Diethylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Fluorene	4000	U	ug/kg	4000	1400	J	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Pentachlorophenol	1800	J	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Phenanthrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4803				K4806				K4807				K4809			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS1				CF5SS2				CF5SS3				CF5SS4			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
Bromomethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
Vinyl chloride	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
Chloroethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
Methylene chloride	3	J	ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Acetone	22	U	ug/kg	22	23	U	ug/kg	23	12	U	ug/kg	12	2000	U	ug/kg	2000
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
2-Butanone	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
4-Methyl-2-pentanone	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	2000	U	ug/kg	2000
2-Hexanone	13	UJ	ug/kg	13	12	UJ	ug/kg	12	12	UJ	ug/kg	12	2000	U	ug/kg	2000
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	980	U	ug/kg	980

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
METALS AND CYANIDE

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg												
Aluminum	1030		mg/kg	40	778		mg/kg	40	743		mg/kg	40
Antimony	10.4	UJ	mg/kg	12	9.8	UJ	mg/kg	12	10.1	UJ	mg/kg	12
Arsenic	.2	UJ	mg/kg	2	.19	UJ	mg/kg	2	.19	UJ	mg/kg	2
Barium	13.1	J	mg/kg	40	1.9	J	mg/kg	40	2.2	J	mg/kg	40
Beryllium	.21	UJ	mg/kg	1	.026	U	mg/kg	1	.027	U	mg/kg	1
Cadmium	.42	U	mg/kg	1	.4	U	mg/kg	1	.41	U	mg/kg	1
Calcium	659	J	mg/kg	1000	132	UJ	mg/kg	1000	1120	J	mg/kg	1000
Chromium	41.2		mg/kg	2	3.4		mg/kg	2	1.6	J	mg/kg	2
Cobalt	1.3	U	mg/kg	10	1.3	U	mg/kg	10	1.3	U	mg/kg	10
Copper	2.8	J	mg/kg	5	.94	UJ	mg/kg	5	1.7	UJ	mg/kg	5
Iron	191	J	mg/kg	20	107	J	mg/kg	20	144	J	mg/kg	20
Lead	27.6		mg/kg	1	1.8		mg/kg	1	4.4		mg/kg	1
Magnesium	35.8	UJ	mg/kg	1000	19.8	UJ	mg/kg	1000	42.6	UJ	mg/kg	1000
Manganese	2.4	J	mg/kg	3	1.4	J	mg/kg	3	3.4	J	mg/kg	3
Mercury	.079	U	mg/kg	.1	.078	U	mg/kg	.1	.065	U	mg/kg	.1
Nickel	1.8	U	mg/kg	8	1.7	U	mg/kg	8	1.8	U	mg/kg	8
Potassium	45.9	U	mg/kg	1000	43.4	U	mg/kg	1000	44.7	U	mg/kg	1000
Selenium	.3	U	mg/kg	1	.28	U	mg/kg	1	.33	J	mg/kg	1
Silver	.6	U	mg/kg	2	.57	U	mg/kg	2	.59	U	mg/kg	2
Sodium	79.2	UJ	mg/kg	1000	76.7	UJ	mg/kg	1000	97.2	UJ	mg/kg	1000
Thallium	.37	U	mg/kg	2	.35	U	mg/kg	2	.36	U	mg/kg	2
Vanadium	1.3	J	mg/kg	10	.66	U	mg/kg	10	.68	U	mg/kg	10
Zinc	8.1		mg/kg	4	1.5	J	mg/kg	4	12.9		mg/kg	4
Cyanide	.47	U	mg/kg	2	.44	U	mg/kg	2	.46	U	mg/kg	2

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4815			K4818			K4808			K4956		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS9			CF5SS10			CF5SS11			CF5SS12		
Collect Date:	24-FEB-94			24-FEB-94			24-FEB-94			25-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
Bromomethane	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
Vinyl chloride	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
Chloroethane	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
Methylene chloride	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	ug/kg	11
Acetone	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
Carbon disulfide	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,1-Dichloroethene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,1-Dichloroethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,2-Dichloroethene (total)	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Chloroform	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,2-Dichloroethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
2-Butanone	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	3	J ug/kg	11
1,1,1-Trichloroethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Carbon tetrachloride	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Bromodichloromethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,2-Dichloropropane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
cis-1,3-Dichloropropene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Trichloroethene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Dibromochloromethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,1,2-Trichloroethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Benzene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
trans-1,3-Dichloropropene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Bromoform	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
4-Methyl-2-pentanone	12	U ug/kg	12	12	U ug/kg	12	13	U ug/kg	13	11	U ug/kg	11
2-Hexanone	12	UJ ug/kg	12	12	UJ ug/kg	12	13	UJ ug/kg	13	11	UJ ug/kg	11
Tetrachloroethene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Toluene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
1,1,2,2-Tetrachloroethane	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Chlorobenzene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Ethylbenzene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Styrene	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6
Xylenes (total)	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7	6	U ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
PESTICIDES

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS ug/kg												
alpha-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
beta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	15		ug/kg	9.9
delta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
gamma-BHC (Lindane)	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Heptachlor	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Aldrin	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Heptachlor epoxide	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Endosulfan I	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Dieldrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDE	-		ug/kg		-		ug/kg		-		ug/kg	
Endrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
Endosulfan II	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDD	-		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDT	-		ug/kg		-		ug/kg		-		ug/kg	
Methoxychlor	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Endrin ketone	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
alpha Chlordane	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
gamma-Chlordane	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Toxaphene	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1221	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1232	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1242	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1248	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1254	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1260	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4961				K4962				K4963				K4964			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS17				CF5SS18				CF5SS19				CF5SS20			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	3	J	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	11	UJ	ug/kg	11	12	UJ	ug/kg	12	12	UJ	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	12	UJ	ug/kg	12	11	UJ	ug/kg	11	12	UJ	ug/kg	12	12	UJ	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4967				K4968				K4969				K4970			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS22				CF5SS23				CF5SS24				CF5SS25			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	10	U	ug/kg	10
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	10	U	ug/kg	10
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	10	U	ug/kg	10
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	10	U	ug/kg	10
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Acetone	13	U	ug/kg	13	12	U	ug/kg	12	40	U	ug/kg	40	18	U	ug/kg	18
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
2-Butanone	12	UJ	ug/kg	12	12	UJ	ug/kg	12	9	J	ug/kg	14	10	U	ug/kg	10
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	10	U	ug/kg	10
2-Hexanone	12	UJ	ug/kg	12	12	UJ	ug/kg	12	14	UJ	ug/kg	14	10	UJ	ug/kg	10
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	5	U	ug/kg	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4811				K4812				K5545				K4816			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS5				CF5SS6				CF5SS7				CF5SS8			
Collect Date:	24-FEB-94				24-FEB-94				26-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	3	J	ug/kg	12	6	U	ug/kg	6	15	U	ug/kg	15	6	U	ug/kg	6
Acetone	22	U	ug/kg	22	13	U	ug/kg	13	33	J	ug/kg	12	18	U	ug/kg	18
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	13	U	ug/kg	13	5	J	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	12	UJ	ug/kg	12	13	UJ	ug/kg	13	12	U	ug/kg	12	12	UJ	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K5546				K5547				K5548				K5551			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS29				CF5SS30				CF5SS30D				CF5SS31			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
Bromomethane	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
Vinyl chloride	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
Chloroethane	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
Methylene chloride	21	U	ug/kg	21	16	U	ug/kg	16	16	U	ug/kg	16	19	U	ug/kg	19
Acetone	14	U	ug/kg	14	4	J	ug/kg	14	3	J	ug/kg	11	4	J	ug/kg	12
Carbon disulfide	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Chloroform	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
2-Butanone	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
1,1,1-Trichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Carbon tetrachloride	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Bromodichloromethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloropropane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Trichloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Dibromochloromethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2-Trichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Benzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Bromoform	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
4-Methyl-2-pentanone	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
2-Hexanone	14	U	ug/kg	14	14	U	ug/kg	14	11	U	ug/kg	11	12	U	ug/kg	12
Tetrachloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Toluene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Chlorobenzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Ethylbenzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Styrene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6
Xylenes (total)	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/kg	5	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4957				K4958				K4959				K4960			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS14				CF5SS15				CF5SS16			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	18	U	ug/kg	18	11	U	ug/kg	11	11	U	ug/kg	11	76	U	ug/kg	76
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	11	UJ	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
2-Hexanone	12	UJ	ug/kg	12	11	UJ	ug/kg	11	11	UJ	ug/kg	11	2	J	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:		K5583		
Site		CECIL2		
Locator		CF5SS31RT		
Collect Date:		26-FEB-94		
	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	10	U	ug/l	10
Bromomethane	10	U	ug/l	10
Vinyl chloride	10	U	ug/l	10
Chloroethane	10	U	ug/l	10
Methylene chloride	5	U	ug/l	5
Acetone	10	U	ug/l	10
Carbon disulfide	5	U	ug/l	5
1,1-Dichloroethene	5	U	ug/l	5
1,1-Dichloroethane	5	U	ug/l	5
1,2-Dichloroethene (total)	5	U	ug/l	5
Chloroform	5	U	ug/l	5
1,2-Dichloroethane	5	U	ug/l	5
2-Butanone	10	U	ug/l	10
1,1,1-Trichloroethane	5	U	ug/l	5
Carbon tetrachloride	5	U	ug/l	5
Bromodichloromethane	5	U	ug/l	5
1,2-Dichloropropane	5	U	ug/l	5
cis-1,3-Dichloropropene	5	U	ug/l	5
Trichloroethene	5	U	ug/l	5
Dibromochloromethane	5	U	ug/l	5
1,1,2-Trichloroethane	5	U	ug/l	5
Benzene	5	U	ug/l	5
trans-1,3-Dichloropropene	5	U	ug/l	5
Bromoform	5	U	ug/l	5
4-Methyl-2-pentanone	10	U	ug/l	10
2-Hexanone	10	U	ug/l	10
Tetrachloroethene	5	U	ug/l	5
Toluene	5	U	ug/l	5
1,1,2,2-Tetrachloroethane	5	U	ug/l	5
Chlorobenzene	5	U	ug/l	5
Ethylbenzene	5	U	ug/l	5
Styrene	5	U	ug/l	5
Xylenes (total)	5	U	ug/l	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4965				K4964MS				K4964MSD				K4966			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20D				CF5SS20MS				CF5SS20MSD				CF5SS21			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	U	ug/kg	16
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	U	ug/kg	16
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	U	ug/kg	16
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	U	ug/kg	16
Methylene chloride	6	U	ug/kg	6	3	J	ug/kg	12	2	J	ug/kg	12	8	U	ug/kg	8
Acetone	12	U	ug/kg	12	26		ug/kg	12	19		ug/kg	12	26	U	ug/kg	26
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1-Dichloroethene	6	U	ug/kg	6	67		ug/kg	12	67		ug/kg	12	8	U	ug/kg	8
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
2-Butanone	12	UJ	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	UJ	ug/kg	16
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Trichloroethene	6	U	ug/kg	6	57		ug/kg	12	57		ug/kg	12	8	U	ug/kg	8
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Benzene	6	U	ug/kg	6	62		ug/kg	12	63		ug/kg	12	8	U	ug/kg	8
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	U	ug/kg	16
2-Hexanone	12	UJ	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	16	UJ	ug/kg	16
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Toluene	6	U	ug/kg	6	63		ug/kg	12	65		ug/kg	12	6	J	ug/kg	16
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Chlorobenzene	6	U	ug/kg	6	56		ug/kg	12	60		ug/kg	12	8	U	ug/kg	8
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8

U = NOT DETECTED J = ESTIMATED VALUE
UJ - REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R SULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4803				K4806				K4807				K4809			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS1				CF5SS2				CF5SS3				CF5SS4			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Benzo (a) anthracene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Chrysene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
bis(2-Ethylhexyl) phthalate	420	U	ug/kg	420	390	U	ug/kg	390	20	J	ug/kg	380	1200	J	ug/kg	10000
Di-n-octylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Benzo (b) fluoranthene	44	J	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Benzo (k) fluoranthene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Benzo (a) pyrene	25	J	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Indeno (1,2,3-cd) pyrene	31	J	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Dibenz (a,h) anthracene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Benzo (g,h,i) perylene	37	J	ug/kg	420	27	J	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K4971				K4972				K4973				K5544			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF5SS27				CF5SS27R				CF5SS28			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
Bromomethane	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
Vinyl chloride	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
Chloroethane	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	12	U	ug/kg	12
Acetone	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	2	J	ug/kg	11
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	11	U	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
2-Hexanone	12	UJ	ug/kg	12	11	UJ	ug/kg	11	10	U	ug/l	10	11	U	ug/kg	11
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ - REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R SULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4811				K4812				K5545				K4816			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS5				CF5SS6				CF5SS7				CF5SS8			
Collect Date:	24-FEB-94				24-FEB-94				26-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
3,3-Dichlorobenzidine	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) anthracene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Chrysene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	34	J	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-octylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (b) fluoranthene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (k) fluoranthene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) pyrene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Dibenz (a,h) anthracene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (g,h,i) perylene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K5553				K5551MS				K5551MSD				K5554			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS31D				CF5SS31MS				CF5SS31MSD				CF5SS31R			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
Bromomethane	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
Vinyl chloride	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
Chloroethane	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
Methylene chloride	16	U	ug/kg	16	16		ug/kg	12	18		ug/kg	12	5	U	ug/l	5
Acetone	19	U	ug/kg	19	12	U	ug/kg	12	22		ug/kg	12	10	U	ug/l	10
Carbon disulfide	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
1,1-Dichloroethene	9	U	ug/kg	9	56		ug/kg	12	68		ug/kg	12	5	U	ug/l	5
1,1-Dichloroethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
1,2-Dichloroethene (total)	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Chloroform	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
1,2-Dichloroethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
2-Butanone	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
1,1,1-Trichloroethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Carbon tetrachloride	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Bromodichloromethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
1,2-Dichloropropane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
cis-1,3-Dichloropropene	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Trichloroethene	9	U	ug/kg	9	54		ug/kg	12	56		ug/kg	12	5	U	ug/l	5
Dibromochloromethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
1,1,2-Trichloroethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Benzene	9	U	ug/kg	9	59		ug/kg	12	60		ug/kg	12	5	U	ug/l	5
trans-1,3-Dichloropropene	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Bromoform	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
4-Methyl-2-pentanone	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
2-Hexanone	19	U	ug/kg	19	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/l	10
Tetrachloroethene	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Toluene	9	U	ug/kg	9	68		ug/kg	12	74		ug/kg	12	5	U	ug/l	5
1,1,2,2-Tetrachloroethane	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Chlorobenzene	9	U	ug/kg	9	58		ug/kg	12	59		ug/kg	12	5	U	ug/l	5
Ethylbenzene	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Styrene	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5
Xylenes (total)	9	U	ug/kg	9	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/l	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4815				K4818				K4808				K4956			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS9				CF5SS10				CF5SS11				CF5SS12			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
3,3-Dichlorobenzidine	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Benzo (a) anthracene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Chrysene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
bis(2-Ethylhexyl) phthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Di-n-octylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Benzo (b) fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	20	J	ug/kg	370
Benzo (k) fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Benzo (a) pyrene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Dibenz (a,h) anthracene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Benzo (g,h,i) perylene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4803				K4806				K4807				K4809			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS1				CF5SS2				CF5SS3				CF5SS4			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
bis(2-Chloroethyl) ether	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2-Chlorophenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
1,3-Dichlorobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
1,4-Dichlorobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
1,2-Dichlorobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2-Methylphenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,2-oxybis(1-Chloropropane)	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Methylphenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Hexachloroethane	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Nitrobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Isophorone	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2-Nitrophenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4-Dimethylphenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4-Dichlorophenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
1,2,4-Trichlorobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Naphthalene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Chloroaniline	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Hexachlorobutadiene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Chloro-3-methylphenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2-Methylnaphthalene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Hexachlorocyclopentadiene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4,6-Trichlorophenol	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
2-Chloronaphthalene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2-Nitroaniline	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
Dimethylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Acenaphthylene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,6-Dinitrotoluene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
3-Nitroaniline	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
Acenaphthene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4-Dinitrophenol	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
4-Nitrophenol	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
Dibenzofuran	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
2,4-Dinitrotoluene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Diethylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Chlorophenyl-phenylether	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Fluorene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Nitroaniline	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
4-Bromophenyl-phenylether	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Hexachlorobenzene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Pentachlorophenol	1000	U	ug/kg	1000	950	U	ug/kg	950	930	U	ug/kg	930	25000	U	ug/kg	25000
Phenanthrene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Anthracene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Carbazole	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Di-n-butylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Fluoranthene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Pyrene	420	U	ug/kg	420	390	U	ug/kg	390	380	U	ug/kg	380	10000	U	ug/kg	10000
Butylbenzylph[illegible]te	420	U	ug/kg	420	390	U	[illegible]g	390	380	U	ug/kg	380	10000	U	ug/kg	[illegible]000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4811				K4812				K5545				K4816			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS5				CF5SS6				CF5SS7				CF5SS8			
Collect Date:	24-FEB-94				24-FEB-94				26-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethyl) ether	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2-Chlorophenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
1,3-Dichlorobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
1,4-Dichlorobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
1,2-Dichlorobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylphenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
4-Methylphenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Hexachloroethane	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Nitrobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Isophorone	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitrophenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dimethylphenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dichlorophenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
1,2,4-Trichlorobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Naphthalene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloroaniline	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobutadiene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloro-3-methylphenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylnaphthalene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorocyclopentadiene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4,6-Trichlorophenol	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4,5-Trichlorophenol	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
2-Chloronaphthalene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitroaniline	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
Dimethylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Acenaphthylene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,6-Dinitrotoluene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
3-Nitroaniline	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
Acenaphthene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrophenol	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
4-Nitrophenol	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
Dibenzofuran	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrotoluene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Diethylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	25	J	ug/kg	390	58	J	ug/kg	390
4-Chlorophenyl-phenylether	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Fluorene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
4-Nitroaniline	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
4,6-Dinitro-2-methylphenol	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
4-Bromophenyl-phenylether	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobenzene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Pentachlorophenol	960	U	ug/kg	960	1000	U	ug/kg	1000	950	U	ug/kg	950	940	U	ug/kg	940
Phenanthrene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Anthracene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Carbazole	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-butylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Fluoranthene	400	U	ug/kg	400	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390
Pyrene	400	U	ug/kg	400	420	U	g	420	390	U	ug/kg	390	390	U	ug/kg	90

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4815				K4818				K4808				K4956			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS9				CF5SS10				CF5SS11				CF5SS12			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
bis(2-Chloroethyl) ether	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2-Chlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
1,3-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
1,4-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
1,2-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2-Methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Hexachloroethane	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Nitrobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Isophorone	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2-Nitrophenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,4-Dimethylphenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,4-Dichlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
1,2,4-Trichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Naphthalene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Chloroaniline	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Hexachlorobutadiene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Chloro-3-methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2-Methylnaphthalene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Hexachlorocyclopentadiene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,4,6-Trichlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,4,5-Trichlorophenol	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
2-Chloronaphthalene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2-Nitroaniline	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
Dimethylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Acenaphthylene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,6-Dinitrotoluene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
3-Nitroaniline	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
Acenaphthene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	UJ	ug/kg	370
2,4-Dinitrophenol	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
4-Nitrophenol	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
Dibenzofuran	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
2,4-Dinitrotoluene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Diethylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Chlorophenyl-phenylether	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Fluorene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Nitroaniline	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
4,6-Dinitro-2-methylphenol	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
4-Bromophenyl-phenylether	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Hexachlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Pentachlorophenol	950	U	ug/kg	950	960	U	ug/kg	960	1100	U	ug/kg	1100	900	U	ug/kg	900
Phenanthrene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Anthracene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Carbazole	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Di-n-butylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440	370	U	ug/kg	370
Pyrene	390	U	ug/kg	390	400	U	[illegible]	400	440	U	ug/kg	440	370	UJ	ug/kg	370

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4957				K4958				K4959				K4960			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS14				CF5SS15				CF5SS16			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
bis(2-Chloroethyl) ether	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2-Chlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
1,3-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
1,4-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
1,2-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
4-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Hexachloroethane	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Nitrobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Isophorone	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2-Nitrophenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,4-Dimethylphenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,4-Dichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
1,2,4-Trichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Naphthalene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
4-Chloroaniline	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Hexachlorobutadiene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
4-Chloro-3-methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2-Methylnaphthalene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Hexachlorocyclopentadiene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,4,6-Trichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,4,5-Trichlorophenol	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
2-Chloronaphthalene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2-Nitroaniline	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
Dimethylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Acenaphthylene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,6-Dinitrotoluene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
3-Nitroaniline	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
Acenaphthene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	43	J	ug/kg	380	390	UJ	ug/kg	390
2,4-Dinitrophenol	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
4-Nitrophenol	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
Dibenzofuran	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
2,4-Dinitrotoluene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Diethylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
4-Chlorophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Fluorene	380	U	ug/kg	380	380	U	ug/kg	380	36	J	ug/kg	380	390	U	ug/kg	390
4-Nitroaniline	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
4,6-Dinitro-2-methylphenol	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
4-Bromophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Hexachlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Pentachlorophenol	930	U	ug/kg	930	920	U	ug/kg	920	920	U	ug/kg	920	940	U	ug/kg	940
Phenanthrene	380	U	ug/kg	380	380	U	ug/kg	380	380		ug/kg	380	110	J	ug/kg	390
Anthracene	380	U	ug/kg	380	380	U	ug/kg	380	130	J	ug/kg	380	36	J	ug/kg	390
Carbazole	380	U	ug/kg	380	380	U	ug/kg	380	87	J	ug/kg	380	390	U	ug/kg	390
Di-n-butylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	900		ug/kg	380	210	J	ug/kg	390
Pyrene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	770	J	ug/kg	380	200	J	ug/kg	390

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4957				K4958				K4959				K4960			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS14				CF5SS15				CF5SS16			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
3,3-Dichlorobenzidine	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Benzo (a) anthracene	380	U	ug/kg	380	380	U	ug/kg	380	400		ug/kg	380	95	J	ug/kg	390
Chrysene	380	U	ug/kg	380	380	U	ug/kg	380	430		ug/kg	380	100	J	ug/kg	390
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Di-n-octylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390
Benzo (b) fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	710		ug/kg	380	260	J	ug/kg	390
Benzo (k) fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	350	J	ug/kg	380	100	J	ug/kg	390
Benzo (a) pyrene	380	U	ug/kg	380	380	U	ug/kg	380	480	J	ug/kg	380	120	J	ug/kg	390
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	380	U	ug/kg	380	250	J	ug/kg	380	110	J	ug/kg	390
Dibenz (a,h) anthracene	380	U	ug/kg	380	380	U	ug/kg	380	59	J	ug/kg	380	37	J	ug/kg	390
Benzo (g,h,i) perylene	380	U	ug/kg	380	380	U	ug/kg	380	250	J	ug/kg	380	110	J	ug/kg	390

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4961				K4962				K4963				K4964			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS17				CF5SS18				CF5SS19				CF5SS20			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
bis(2-Chloroethyl) ether	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Chlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,3-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,4-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,2-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachloroethane	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Nitrobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Isophorone	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Nitrophenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dimethylphenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,2,4-Trichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Naphthalene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chloroaniline	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorobutadiene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chloro-3-methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Methylnaphthalene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorocyclopentadiene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4,6-Trichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4,5-Trichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Chloronaphthalene	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
2-Nitroaniline	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Dimethylphthalate	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
Acenaphthylene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,6-Dinitrotoluene	380	U	ug/kg	380	380	U	ug/kg	380	25	J	ug/kg	390	31	J	ug/kg	410
3-Nitroaniline	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Acenaphthene	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
2,4-Dinitrophenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	390	UJ	ug/kg	390	100	J	ug/kg	410
4-Nitrophenol	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
Dibenzofuran	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
2,4-Dinitrotoluene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	21	J	ug/kg	410
Diethylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chlorophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Fluorene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Nitroaniline	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
4,6-Dinitro-2-methylphenol	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Bromophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Pentachlorophenol	930	U	ug/kg	930	910	U	ug/kg	910	940	U	ug/kg	940	1000	U	ug/kg	1000
Phenanthrene	380	U	ug/kg	380	72	J	ug/kg	380	52	J	ug/kg	390	620		ug/kg	410
Anthracene	380	U	ug/kg	380	380	U	ug/kg	380	28	J	ug/kg	390	150	J	ug/kg	410
Carbazole	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	140	J	ug/kg	410
Di-n-butylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Fluoranthene	380	U	ug/kg	380	220	J	ug/kg	380	150	J	ug/kg	390	1900		ug/kg	10
Pyrene	380	UJ	ug/kg	380	180	J		380	140	J	ug/kg	390	1400	J	ug/kg	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4961				K4962				K4963				K4964			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS17				CF5SS18				CF5SS19				CF5SS20			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
3,3-Dichlorobenzidine	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (a) anthracene	380	U	ug/kg	380	150	J	ug/kg	380	110	J	ug/kg	390	1200		ug/kg	410
Chrysene	380	U	ug/kg	380	200	J	ug/kg	380	140	J	ug/kg	390	1200		ug/kg	410
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Di-n-octylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (b) fluoranthene	380	U	ug/kg	380	630		ug/kg	380	360	J	ug/kg	390	1800		ug/kg	410
Benzo (k) fluoranthene	380	U	ug/kg	380	200	J	ug/kg	380	160	J	ug/kg	390	700		ug/kg	410
Benzo (a) pyrene	380	U	ug/kg	380	280	J	ug/kg	380	240	J	ug/kg	390	1000	J	ug/kg	410
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	170	J	ug/kg	380	170	J	ug/kg	390	500		ug/kg	410
Dibenz (a,h) anthracene	380	U	ug/kg	380	42	J	ug/kg	380	42	J	ug/kg	390	120	J	ug/kg	410
Benzo (g,h,i) perylene	380	U	ug/kg	380	190	J	ug/kg	380	210	J	ug/kg	390	440		ug/kg	410

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4965				K4964MS				K4964MSD				K4966			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20D				CF5SS20MS				CF5SS20MSD				CF5SS21			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	410	U	ug/kg	410	1500		ug/kg	410	1500		ug/kg	410	520	U	ug/kg	520
bis(2-Chloroethyl) ether	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2-Chlorophenol	410	U	ug/kg	410	1400		ug/kg	410	1400		ug/kg	410	520	U	ug/kg	520
1,3-Dichlorobenzene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
1,4-Dichlorobenzene	410	U	ug/kg	410	920		ug/kg	410	940		ug/kg	410	520	U	ug/kg	520
1,2-Dichlorobenzene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2-Methylphenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2,2-oxybis(1-Chloropropane)	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
4-Methylphenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
N-Nitroso-di-n-propylamine	410	U	ug/kg	410	880		ug/kg	410	950		ug/kg	410	520	U	ug/kg	520
Hexachloroethane	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Nitrobenzene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Isophorone	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2-Nitrophenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2,4-Dimethylphenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
bis(2-Chloroethoxy) methane	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2,4-Dichlorophenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
1,2,4-Trichlorobenzene	410	U	ug/kg	410	1000		ug/kg	410	1000		ug/kg	410	520	U	ug/kg	520
Naphthalene	40	J	ug/kg	410	410	U	ug/kg	410	61	J	ug/kg	410	520	U	ug/kg	520
4-Chloroaniline	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Hexachlorobutadiene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
4-Chloro-3-methylphenol	410	U	ug/kg	410	1600		ug/kg	410	1700		ug/kg	410	520	U	ug/kg	520
2-Methylnaphthalene	22	J	ug/kg	410	410	U	ug/kg	410	47	J	ug/kg	410	520	U	ug/kg	520
Hexachlorocyclopentadiene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2,4,6-Trichlorophenol	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2,4,5-Trichlorophenol	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
2-Chloronaphthalene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
2-Nitroaniline	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
Dimethylphthalate	410	U	ug/kg	410	23	J	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Acenaphthylene	410	U	ug/kg	410	24	J	ug/kg	410	26	J	ug/kg	410	520	U	ug/kg	520
2,6-Dinitrotoluene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
3-Nitroaniline	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
Acenaphthene	170	J	ug/kg	410	1200		ug/kg	410	1500		ug/kg	410	520	UJ	ug/kg	520
2,4-Dinitrophenol	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
4-Nitrophenol	990	U	ug/kg	990	1100		ug/kg	1000	1000		ug/kg	1000	1200	U	ug/kg	1200
Dibenzofuran	58	J	ug/kg	410	410	U	ug/kg	410	100	J	ug/kg	410	520	U	ug/kg	520
2,4-Dinitrotoluene	410	U	ug/kg	410	1000		ug/kg	410	1000		ug/kg	410	520	U	ug/kg	520
Diethylphthalate	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
4-Chlorophenyl-phenylether	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Fluorene	120	J	ug/kg	410	51	J	ug/kg	410	280	J	ug/kg	410	520	U	ug/kg	520
4-Nitroaniline	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
4,6-Dinitro-2-methylphenol	990	U	ug/kg	990	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1200	U	ug/kg	1200
N-Nitrosodiphenylamine (1)	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
4-Bromophenyl-phenylether	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Hexachlorobenzene	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Pentachlorophenol	990	U	ug/kg	990	1400		ug/kg	1000	1600		ug/kg	1000	1200	U	ug/kg	1200
Phenanthrene	940		ug/kg	410	490		ug/kg	410	2000		ug/kg	410	520	U	ug/kg	520
Anthracene	240	J	ug/kg	410	130	J	ug/kg	410	460		ug/kg	410	520	U	ug/kg	520
Carbazole	170	J	ug/kg	410	97	J	ug/kg	410	410		ug/kg	410	520	U	ug/kg	520
Di-n-butylphthalate	410	U	ug/kg	410	63	J	ug/kg	410	67	J	ug/kg	410	520	U	ug/kg	520
Fluoranthene	1600		ug/kg	410	1300		ug/kg	410	3100		ug/kg	410	520	U	ug/kg	520
Pyrene	1200	J	ug/kg	410	2100		ug/kg	410	3200		ug/kg	410	520	UJ	ug/kg	520

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4965				K4964MS				K4964MSD				K4966			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20D				CF5SS20MS				CF5SS20MSD				CF5SS21			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
3,3-Dichlorobenzidine	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Benzo (a) anthracene	970		ug/kg	410	830		ug/kg	410	1800		ug/kg	410	520	U	ug/kg	520
Chrysene	870		ug/kg	410	730		ug/kg	410	1600		ug/kg	410	520	U	ug/kg	520
bis(2-Ethylhexyl) phthalate	410	U	ug/kg	410	33	J	ug/kg	410	24	J	ug/kg	410	520	U	ug/kg	520
Di-n-octylphthalate	410	U	ug/kg	410	410	U	ug/kg	410	410	U	ug/kg	410	520	U	ug/kg	520
Benzo (b) fluoranthene	1300		ug/kg	410	1200		ug/kg	410	2300		ug/kg	410	34	J	ug/kg	520
Benzo (k) fluoranthene	480		ug/kg	410	430		ug/kg	410	970		ug/kg	410	520	U	ug/kg	520
Benzo (a) pyrene	530	J	ug/kg	410	700		ug/kg	410	1300		ug/kg	410	520	U	ug/kg	520
Indeno (1,2,3-cd) pyrene	340	J	ug/kg	410	340	J	ug/kg	410	570		ug/kg	410	520	U	ug/kg	520
Dibenz (a,h) anthracene	88	J	ug/kg	410	88	J	ug/kg	410	150	J	ug/kg	410	520	U	ug/kg	520
Benzo (g,h,i) perylene	280	J	ug/kg	410	300	J	ug/kg	410	480		ug/kg	410	520	U	ug/kg	520

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4967				K4968				K4969				K4970			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS22				CF5SS23				CF5SS24				CF5SS25			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
bis(2-Chloroethyl) ether	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2-Chlorophenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
1,3-Dichlorobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
1,4-Dichlorobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
1,2-Dichlorobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2-Methylphenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Methylphenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Hexachloroethane	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Nitrobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Isophorone	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2-Nitrophenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,4-Dimethylphenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,4-Dichlorophenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
1,2,4-Trichlorobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Naphthalene	400	U	ug/kg	400	22	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Chloroaniline	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Hexachlorobutadiene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Chloro-3-methylphenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2-Methylnaphthalene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Hexachlorocyclopentadiene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,4,6-Trichlorophenol	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,4,5-Trichlorophenol	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
2-Chloronaphthalene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2-Nitroaniline	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
Dimethylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Acenaphthylene	400	U	ug/kg	400	35	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,6-Dinitrotoluene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
3-Nitroaniline	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
Acenaphthene	400	UJ	ug/kg	400	120	J	ug/kg	390	440	UJ	ug/kg	440	340	UJ	ug/kg	340
2,4-Dinitrophenol	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
4-Nitrophenol	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
Dibenzofuran	400	U	ug/kg	400	40	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
2,4-Dinitrotoluene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Diethylphthalate	120	J	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Chlorophenyl-phenylether	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Fluorene	400	U	ug/kg	400	110	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Nitroaniline	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
4,6-Dinitro-2-methylphenol	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
4-Bromophenyl-phenylether	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Hexachlorobenzene	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Pentachlorophenol	960	U	ug/kg	960	950	U	ug/kg	950	1100	U	ug/kg	1100	830	U	ug/kg	830
Phenanthrene	400	U	ug/kg	400	920		ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Anthracene	400	U	ug/kg	400	230	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Carbazole	400	U	ug/kg	400	170	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Di-n-butylphthalate	440	U	ug/kg	440	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Fluoranthene	31	J	ug/kg	400	1900		ug/kg	390	440	U	ug/kg	440	29	J	ug/kg	340
Pyrene	36	J	ug/kg	400	1500	J	ug/kg	390	440	UJ	ug/kg	440	32	J	ug/kg	340

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4967				K4968				K4969				K4970			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS22				CF5SS23				CF5SS24				CF5SS25			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
3,3-Dichlorobenzidine	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Benzo (a) anthracene	400	U	ug/kg	400	1200		ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Chrysene	400	U	ug/kg	400	1000		ug/kg	390	440	U	ug/kg	440	33	J	ug/kg	340
bis(2-Ethylhexyl) phthalate	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Di-n-octylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Benzo (b) fluoranthene	50	J	ug/kg	400	1400		ug/kg	390	440	U	ug/kg	440	79	J	ug/kg	340
Benzo (k) fluoranthene	29	J	ug/kg	400	440		ug/kg	390	440	U	ug/kg	440	22	J	ug/kg	340
Benzo (a) pyrene	400	U	ug/kg	400	520	J	ug/kg	390	440	U	ug/kg	440	50	J	ug/kg	340
Indeno (1,2,3-cd) pyrene	24	J	ug/kg	400	330	J	ug/kg	390	440	U	ug/kg	440	61	J	ug/kg	340
Dibenz (a,h) anthracene	400	U	ug/kg	400	100	J	ug/kg	390	440	U	ug/kg	440	340	U	ug/kg	340
Benzo (g,h,i) perylene	400	U	ug/kg	400	330	J	ug/kg	390	440	U	ug/kg	440	85	J	ug/kg	340

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4971				K4972				K4973				K5544			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF5SS27				CF5SS27R				CF5SS28			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
bis(2-Chloroethyl) ether	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2-Chlorophenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
1,3-Dichlorobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
1,4-Dichlorobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
1,2-Dichlorobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2-Methylphenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
4-Methylphenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Hexachloroethane	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Nitrobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Isophorone	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2-Nitrophenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4-Dimethylphenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
bis(2-Chloroethoxy) methane	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4-Dichlorophenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
1,2,4-Trichlorobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Naphthalene	410	U	ug/kg	410	31	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
4-Chloroaniline	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Hexachlorobutadiene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
4-Chloro-3-methylphenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2-Methylnaphthalene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Hexachlorocyclopentadiene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4,6-Trichlorophenol	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
2-Chloronaphthalene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2-Nitroaniline	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
Dimethylphthalate	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Acenaphthylene	410	U	ug/kg	410	32	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,6-Dinitrotoluene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
3-Nitroaniline	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
Acenaphthene	43	J	ug/kg	410	85	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4-Dinitrophenol	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
4-Nitrophenol	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
Dibenzofuran	410	U	ug/kg	410	34	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
2,4-Dinitrotoluene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Diethylphthalate	29	J	ug/kg	410	380	U	ug/kg	380	.9	J	ug/l	10	37	J	ug/kg	370
4-Chlorophenyl-phenylether	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Fluorene	39	J	ug/kg	410	77	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
4-Nitroaniline	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
N-Nitrosodiphenylamine (1)	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
4-Bromophenyl-phenylether	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Hexachlorobenzene	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Pentachlorophenol	1000	U	ug/kg	1000	910	U	ug/kg	910	25	U	ug/l	25	890	U	ug/kg	890
Phenanthrene	420		ug/kg	410	600		ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Anthracene	110	J	ug/kg	410	200	J	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Carbazole	99	J	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Di-n-butylphthalate	410	U	ug/kg	410	490	U	ug/kg	490	10	U	ug/l	10	370	U	ug/kg	370
Fluoranthene	850		ug/kg	410	1400		ug/kg	380	10	U	ug/l	10	22	J	ug/kg	370
Pyrene	520	J	ug/kg	410	920	J	ug/kg	380	10	U	ug/l	10	46	J	ug/kg	370

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K4971				K4972				K4973				K5544			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF5SS27				CF5SS27R				CF5SS28			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
3,3-Dichlorobenzidine	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Benzo (a) anthracene	390	J	ug/kg	410	720		ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Chrysene	410		ug/kg	410	540		ug/kg	380	10	U	ug/l	10	76	J	ug/kg	370
bis(2-Ethylhexyl) phthalate	410	U	ug/kg	410	380	U	ug/kg	380	3	J	ug/l	10	370	U	ug/kg	370
Di-n-octylphthalate	410	U	ug/kg	410	380	U	ug/kg	380	10	U	ug/l	10	370	U	ug/kg	370
Benzo (b) fluoranthene	820		ug/kg	410	970		ug/kg	380	10	U	ug/l	10	150	J	ug/kg	370
Benzo (k) fluoranthene	310	J	ug/kg	410	260	J	ug/kg	380	10	U	ug/l	10	70	J	ug/kg	370
Benzo (a) pyrene	530	J	ug/kg	410	520	J	ug/kg	380	10	U	ug/l	10	120	J	ug/kg	370
Indeno (1,2,3-cd) pyrene	290	J	ug/kg	410	320	J	ug/kg	380	10	U	ug/l	10	99	J	ug/kg	370
Dibenz (a,h) anthracene	80	J	ug/kg	410	100	J	ug/kg	380	10	U	ug/l	10	30	J	ug/kg	370
Benzo (g,h,i) perylene	290	J	ug/kg	410	650		ug/kg	380	10	U	ug/l	10	110	J	ug/kg	370

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K5546				K5547				K5548				K5551			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS29				CF5SS30				CF5SS30D				CF5SS31			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
bis(2-Chloroethyl) ether	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2-Chlorophenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
1,3-Dichlorobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
1,4-Dichlorobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
1,2-Dichlorobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2-Methylphenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,2-oxybis(1-Chloropropane)	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
4-Methylphenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Hexachloroethane	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Nitrobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Isophorone	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2-Nitrophenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dimethylphenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
bis(2-Chloroethoxy) methane	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dichlorophenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
1,2,4-Trichlorobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Naphthalene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
4-Chloroaniline	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorobutadiene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
4-Chloro-3-methylphenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2-Methylnaphthalene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorocyclopentadiene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4,6-Trichlorophenol	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4,5-Trichlorophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
2-Chloronaphthalene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
Dimethylphthalate	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Acenaphthylene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,6-Dinitrotoluene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
3-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
Acenaphthene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dinitrophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
4-Nitrophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
Dibenzofuran	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dinitrotoluene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Diethylphthalate	49	J	ug/kg	460	53	J	ug/kg	460	140	J	ug/kg	350	380	U	ug/kg	380
4-Chlorophenyl-phenylether	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Fluorene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
4-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
N-Nitrosodiphenylamine (1)	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
4-Bromophenyl-phenylether	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorobenzene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Pentachlorophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	850	U	ug/kg	850	930	U	ug/kg	930
Phenanthrene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	130	J	ug/kg	380
Anthracene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	43	J	ug/kg	380
Carbazole	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Di-n-butylphthalate	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Fluoranthene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	220	J	ug/kg	380
Pyrene	460	U	ug/kg	460	460	U	g	460	350	U	ug/kg	350	190	J	ug/kg	380

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K5546				K5547				K5548				K5551			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS29				CF5SS30				CF5SS30D				CF5SS31			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
3,3-Dichlorobenzidine	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Benzo (a) anthracene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	94	J	ug/kg	380
Chrysene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	97	J	ug/kg	380
bis(2-Ethylhexyl) phthalate	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Di-n-octylphthalate	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Benzo (b) fluoranthene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	130	J	ug/kg	380
Benzo (k) fluoranthene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	83	J	ug/kg	380
Benzo (a) pyrene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	84	J	ug/kg	380
Indeno (1,2,3-cd) pyrene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	52	J	ug/kg	380
Dibenz (a,h) anthracene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	31	J	ug/kg	380
Benzo (g,h,i) perylene	460	U	ug/kg	460	460	U	ug/kg	460	350	U	ug/kg	350	56	J	ug/kg	380

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K5553				K5551MS				K5551MSD				K5554			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS31D				CF5SS31MS				CF5SS31MSD				CF5SS31R			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	620	U	ug/kg	620	2100		ug/kg	380	2600		ug/kg	380	10	U	ug/l	10
bis(2-Chloroethyl) ether	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2-Chlorophenol	620	U	ug/kg	620	1900		ug/kg	380	2400		ug/kg	380	10	U	ug/l	10
1,3-Dichlorobenzene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
1,4-Dichlorobenzene	620	U	ug/kg	620	1200		ug/kg	380	1500		ug/kg	380	10	U	ug/l	10
1,2-Dichlorobenzene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2-Methylphenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
4-Methylphenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
N-Nitroso-di-n-propylamine	620	U	ug/kg	620	1300		ug/kg	380	1600		ug/kg	380	10	U	ug/l	10
Hexachloroethane	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Nitrobenzene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Isophorone	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2-Nitrophenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dimethylphenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
bis(2-Chloroethoxy) methane	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dichlorophenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
1,2,4-Trichlorobenzene	620	U	ug/kg	620	1400		ug/kg	380	1800		ug/kg	380	10	U	ug/l	10
Naphthalene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
4-Chloroaniline	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorobutadiene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
4-Chloro-3-methylphenol	620	U	ug/kg	620	2800		ug/kg	380	3600		ug/kg	380	10	U	ug/l	10
2-Methylnaphthalene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorocyclopentadiene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,4,6-Trichlorophenol	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,4,5-Trichlorophenol	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
2-Chloronaphthalene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2-Nitroaniline	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
Dimethylphthalate	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Acenaphthylene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,6-Dinitrotoluene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
3-Nitroaniline	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
Acenaphthene	620	U	ug/kg	620	1700		ug/kg	380	2000		ug/kg	380	10	U	ug/l	10
2,4-Dinitrophenol	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
4-Nitrophenol	1500	U	ug/kg	1500	2300		ug/kg	930	2800		ug/kg	930	25	U	ug/l	25
Dibenzofuran	620	U	ug/kg	620	99	J	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dinitrotoluene	620	U	ug/kg	620	1400		ug/kg	380	2000		ug/kg	380	10	U	ug/l	10
Diethylphthalate	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
4-Chlorophenyl-phenylether	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Fluorene	620	U	ug/kg	620	230	J	ug/kg	380	42	J	ug/kg	380	10	U	ug/l	10
4-Nitroaniline	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	1500	U	ug/kg	1500	930	U	ug/kg	930	930	U	ug/kg	930	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
4-Bromophenyl-phenylether	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorobenzene	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Pentachlorophenol	1500	U	ug/kg	1500	3000		ug/kg	930	3500		ug/kg	930	25	U	ug/l	25
Phenanthrene	620	U	ug/kg	620	2200		ug/kg	380	420		ug/kg	380	10	U	ug/l	10
Anthracene	620	U	ug/kg	620	610		ug/kg	380	130	J	ug/kg	380	10	U	ug/l	10
Carbazole	620	U	ug/kg	620	420		ug/kg	380	81	J	ug/kg	380	10	U	ug/l	10
Di-n-butylphthalate	620	U	ug/kg	620	77	J	ug/kg	380	190	J	ug/kg	380	10	U	ug/l	10
Fluoranthene	110	J	ug/kg	620	3300		ug/kg	380	710		ug/kg	380	10	U	ug/l	10
Pyrene	110	J	ug/kg	620	4100		ug/kg	380	3100		ug/kg	380	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K5553				K5551MS				K5551MSD				K5554			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS31D				CF5SS31MS				CF5SS31MSD				CF5SS31R			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	110	J	ug/kg	620	69	J	ug/kg	380	59	J	ug/kg	380	10	U	ug/l	10
3,3-Dichlorobenzidine	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Benzo (a) anthracene	57	J	ug/kg	620	1500		ug/kg	380	300	J	ug/kg	380	10	U	ug/l	10
Chrysene	65	J	ug/kg	620	1300		ug/kg	380	290	J	ug/kg	380	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	620	U	ug/kg	620	23	J	ug/kg	380	24	J	ug/kg	380	10	U	ug/l	10
Di-n-octylphthalate	620	U	ug/kg	620	380	U	ug/kg	380	380	U	ug/kg	380	10	U	ug/l	10
Benzo (b) fluoranthene	140	J	ug/kg	620	1800		ug/kg	380	470		ug/kg	380	10	U	ug/l	10
Benzo (k) fluoranthene	67	J	ug/kg	620	880		ug/kg	380	220	J	ug/kg	380	10	U	ug/l	10
Benzo (a) pyrene	76	J	ug/kg	620	1100		ug/kg	380	280	J	ug/kg	380	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	55	J	ug/kg	620	490		ug/kg	380	140	J	ug/kg	380	10	U	ug/l	10
Dibenz (a,h) anthracene	620	U	ug/kg	620	140	J	ug/kg	380	75	J	ug/kg	380	10	U	ug/l	10
Benzo (g,h,i) perylene	61	J	ug/kg	620	440		ug/kg	380	140	J	ug/kg	380	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4803				K4806				K4807				K4809			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS1				CF5SS2				CF5SS3				CF5SS4			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
beta-BHC	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
delta-BHC	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
gamma-BHC (Lindane)	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
Heptachlor	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
Aldrin	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
Heptachlor epoxide	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	2.6	UJ	ug/kg	2.6
Endosulfan I	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	.8	UJ	ug/kg	.8
Dieldrin	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
4,4-DDE	12	J	ug/kg	4	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
Endrin	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
Endosulfan II	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
4,4-DDD	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	30	UJ	ug/kg	30
Endosulfan sulfate	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
4,4-DDT	48	J	ug/kg	4	3.9	R	ug/kg	3.9	3.8	R	ug/kg	3.8	5.1	R	ug/kg	5.1
Methoxychlor	22	UJ	ug/kg	22	20	U	ug/kg	20	20	U	ug/kg	20	26	UJ	ug/kg	26
Endrin ketone	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
Endrin aldehyde	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	5.1	UJ	ug/kg	5.1
alpha-Chlordane	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	.47	J	ug/kg	2	1.7	J	ug/kg	3
gamma-Chlordane	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2	2	U	ug/kg	2	1.5	J	ug/kg	3
Toxaphene	220	UJ	ug/kg	220	200	U	ug/kg	200	200	U	ug/kg	200	260	UJ	ug/kg	260
Aroclor-1016	42	UJ	ug/kg	42	39	U	ug/kg	39	38	U	ug/kg	38	51	UJ	ug/kg	51
Aroclor-1221	85	UJ	ug/kg	85	80	U	ug/kg	80	78	U	ug/kg	78	100	UJ	ug/kg	100
Aroclor-1232	42	UJ	ug/kg	42	39	U	ug/kg	39	38	U	ug/kg	38	51	UJ	ug/kg	51
Aroclor-1242	42	UJ	ug/kg	42	39	U	ug/kg	39	38	U	ug/kg	38	51	UJ	ug/kg	51
Aroclor-1248	42	UJ	ug/kg	42	39	U	ug/kg	39	38	U	ug/kg	38	51	UJ	ug/kg	51
Aroclor-1254	42	UJ	ug/kg	42	39	U	ug/kg	39	38	U	ug/kg	38	51	UJ	ug/kg	51
Aroclor-1260	42	UJ	ug/kg	42	110		ug/kg	39	20	U	ug/kg	20	2200	J	ug/kg	51

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4809DL				K4811				K4812				K5545			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS4DL				CF5SS5				CF5SS6				CF5SS7			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
beta-BHC	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
delta-BHC	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
gamma-BHC (Lindane)	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Heptachlor	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Aldrin	26	U	ug/kg	26	9.8	U	ug/kg	9.8	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Heptachlor epoxide	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Endosulfan I	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Dieldrin	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
4,4-DDE	51	U	ug/kg	51	16	U	ug/kg	16	.77	J	ug/kg	4.2	3.9	U	ug/kg	3.9
Endrin	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
Endosulfan II	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
4,4-DDD	30	U	ug/kg	30	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
Endosulfan sulfate	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
4,4-DDT	51	R	ug/kg	51	16	R	ug/kg	16	4.2	R	ug/kg	4.2	3.9	U	ug/kg	3.9
Methoxychlor	260	U	ug/kg	260	82	U	ug/kg	82	22	UJ	ug/kg	22	20	U	ug/kg	20
Endrin ketone	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
Endrin aldehyde	51	U	ug/kg	51	16	U	ug/kg	16	4.2	UJ	ug/kg	4.2	3.9	U	ug/kg	3.9
alpha-Chlordane	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
gamma-Chlordane	26	U	ug/kg	26	8.2	U	ug/kg	8.2	2.2	UJ	ug/kg	2.2	2	U	ug/kg	2
Toxaphene	2600	U	ug/kg	2600	820	U	ug/kg	820	220	UJ	ug/kg	220	200	U	ug/kg	200
Aroclor-1016	510	U	ug/kg	510	160	U	ug/kg	160	42	UJ	ug/kg	42	39	U	ug/kg	39
Aroclor-1221	1000	U	ug/kg	1000	320	U	ug/kg	320	86	UJ	ug/kg	86	80	U	ug/kg	80
Aroclor-1232	510	U	ug/kg	510	160	U	ug/kg	160	42	UJ	ug/kg	42	39	U	ug/kg	39
Aroclor-1242	510	U	ug/kg	510	160	U	ug/kg	160	42	UJ	ug/kg	42	39	U	ug/kg	39
Aroclor-1248	510	U	ug/kg	510	160	U	ug/kg	160	42	UJ	ug/kg	42	39	U	ug/kg	39
Aroclor-1254	510	U	ug/kg	510	160	U	ug/kg	160	42	UJ	ug/kg	42	39	U	ug/kg	39
Aroclor-1260	3200		ug/kg	510	1100		ug/kg	160	37	J	ug/kg	42	39	U	ug/kg	39

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4816				K4815				K4818				K4808			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS8				CF5SS9				CF5SS10				CF5SS11			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
beta-BHC	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
delta-BHC	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
gamma-BHC (Lindane)	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Heptachlor	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Aldrin	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Heptachlor epoxide	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Endosulfan I	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Dieldrin	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
4,4-DDE	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
Endrin	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
Endosulfan II	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
4,4-DDD	1	U	ug/kg	1	16	UJ	ug/kg	16	2.2	J	ug/kg	8	4.4	U	ug/kg	4.4
Endosulfan sulfate	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
4,4-DDT	3.8	R	ug/kg	3.8	16	R	ug/kg	16	8	R	ug/kg	8	4.4	R	ug/kg	4.4
Methoxychlor	20	U	ug/kg	20	81	UJ	ug/kg	81	41	U	ug/kg	41	23	U	ug/kg	23
Endrin ketone	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
Endrin aldehyde	3.8	U	ug/kg	3.8	16	UJ	ug/kg	16	8	U	ug/kg	8	4.4	U	ug/kg	4.4
alpha-Chlordane	2	U	ug/kg	2	8.1	UJ	ug/kg	8.1	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
gamma-Chlordane	2	U	ug/kg	2	1.1	J	ug/kg	8	4.1	U	ug/kg	4.1	2.3	U	ug/kg	2.3
Toxaphene	200	U	ug/kg	200	810	UJ	ug/kg	810	410	U	ug/kg	410	230	U	ug/kg	230
Aroclor-1016	38	U	ug/kg	38	160	UJ	ug/kg	160	80	U	ug/kg	80	44	U	ug/kg	44
Aroclor-1221	78	U	ug/kg	78	320	UJ	ug/kg	320	160	U	ug/kg	160	89	U	ug/kg	89
Aroclor-1232	38	U	ug/kg	38	160	UJ	ug/kg	160	80	U	ug/kg	80	44	U	ug/kg	44
Aroclor-1242	38	U	ug/kg	38	160	UJ	ug/kg	160	80	U	ug/kg	80	44	U	ug/kg	44
Aroclor-1248	38	U	ug/kg	38	160	UJ	ug/kg	160	80	U	ug/kg	80	44	U	ug/kg	44
Aroclor-1254	38	U	ug/kg	38	160	UJ	ug/kg	160	80	U	ug/kg	80	44	U	ug/kg	44
Aroclor-1260	390		ug/kg	38	660	J	ug/kg	160	670		ug/kg	80	41	J	ug/kg	44

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4956				K4957				K4958				K4959			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS12				CF5SS13				CF5SS14				CF5SS15			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
beta-BHC	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
delta-BHC	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
gamma-BHC (Lindane)	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Heptachlor	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Aldrin	.3	UJ	ug/kg	.3	.9	UJ	ug/kg	.9	.9	UJ	ug/kg	.9	.7	UJ	ug/kg	.7
Heptachlor epoxide	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Endosulfan I	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Dieldrin	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	.7	UJ	ug/kg	.7
4,4-DDE	.19	J	ug/kg	4	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	.54	J	ug/kg	4
Endrin	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
Endosulfan II	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
4,4-DDD	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
Endosulfan sulfate	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
4,4-DDT	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	.5	UJ	ug/kg	.5
Methoxychlor	19	UJ	ug/kg	19	20	UJ	ug/kg	20	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Endrin ketone	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
Endrin aldehyde	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8	3.8	UJ	ug/kg	3.8
alpha-Chlordane	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	.2	UJ	ug/kg	.2
gamma-Chlordane	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Toxaphene	190	UJ	ug/kg	190	200	UJ	ug/kg	200	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1016	37	UJ	ug/kg	37	38	UJ	ug/kg	38	38	UJ	ug/kg	38	38	UJ	ug/kg	38
Aroclor-1221	74	UJ	ug/kg	74	78	UJ	ug/kg	78	77	UJ	ug/kg	77	77	UJ	ug/kg	77
Aroclor-1232	37	UJ	ug/kg	37	38	UJ	ug/kg	38	38	UJ	ug/kg	38	38	UJ	ug/kg	38
Aroclor-1242	37	UJ	ug/kg	37	38	UJ	ug/kg	38	38	UJ	ug/kg	38	38	UJ	ug/kg	38
Aroclor-1248	37	UJ	ug/kg	37	38	UJ	ug/kg	38	38	UJ	ug/kg	38	38	UJ	ug/kg	38
Aroclor-1254	37	UJ	ug/kg	37	38	UJ	ug/kg	38	38	UJ	ug/kg	38	7	UJ	ug/kg	7
Aroclor-1260	37	UJ	ug/kg	37	410	J	ug/kg	38	87	J	ug/kg	38	38	UJ	ug/kg	38

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4960				K4961				K4962				K4963			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS16				CF5SS17				CF5SS18				CF5SS19			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
beta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
delta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
gamma-BHC (Lindane)	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Heptachlor	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Aldrin	1	U	ug/kg	1	.6	U	ug/kg	.6	2	U	ug/kg	2	.9	U	ug/kg	.9
Heptachlor epoxide	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Endosulfan I	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Dieldrin	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
4,4-DDE	1	U	ug/kg	1	3.8	U	ug/kg	3.8	2.1	J	ug/kg	4	.75	J	ug/kg	4
Endrin	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
Endosulfan II	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
4,4-DDD	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	.6	U	ug/kg	.6
Endosulfan sulfate	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
4,4-DDT	2.1	J	ug/kg	4	3.8	U	ug/kg	3.8	13		ug/kg	4	3	U	ug/kg	3
Methoxychlor	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19	20	U	ug/kg	20
Endrin ketone	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
Endrin aldehyde	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.9	U	ug/kg	3.9
alpha-Chlordane	.2	U	ug/kg	.2	2	U	ug/kg	2	.2	U	ug/kg	.2	.9	U	ug/kg	.9
gamma-Chlordane	2	U	ug/kg	2	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Toxaphene	200	U	ug/kg	200	200	U	ug/kg	200	190	U	ug/kg	190	200	U	ug/kg	200
Aroclor-1016	39	U	ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39
Aroclor-1221	79	U	ug/kg	79	78	U	ug/kg	78	76	U	ug/kg	76	79	U	ug/kg	79
Aroclor-1232	39	U	ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39
Aroclor-1242	39	U	ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39
Aroclor-1248	39	U	ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39
Aroclor-1254	39	U	ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39
Aroclor-1260	210		ug/kg	39	38	U	ug/kg	38	37	U	ug/kg	37	39	U	ug/kg	39

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R [illegible]ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4964				K4965				K4964MS				K4964MSD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20				CF5SS20D				CF5SS20MS				CF5SS20MSD			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
beta-BHC	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
delta-BHC	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	22		ug/kg	2	26		ug/kg	2
Heptachlor	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	18		ug/kg	2	21		ug/kg	2
Aldrin	2.1	U	ug/kg	2.1	.5	UJ	ug/kg	.5	19		ug/kg	2	19		ug/kg	2
Heptachlor epoxide	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Endosulfan I	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Dieldrin	3	U	ug/kg	3	2.7	J	ug/kg	4	48		ug/kg	4	48		ug/kg	4
4,4-DDE	5.1		ug/kg	4	3.6	J	ug/kg	4	5.2		ug/kg	4	5		ug/kg	4
Endrin	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1	28		ug/kg	4	31		ug/kg	4
Endosulfan II	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
4,4-DDD	8	U	ug/kg	8	4.1	UJ	ug/kg	4.1	7.6		ug/kg	4	4.1	U	ug/kg	4.1
Endosulfan sulfate	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
4,4-DDT	4	U	ug/kg	4	2.6	J	ug/kg	4	27		ug/kg	4	33		ug/kg	4
Methoxychlor	21	U	ug/kg	21	21	UJ	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Endrin ketone	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
Endrin aldehyde	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
alpha-Chlordane	2	U	ug/kg	2	.9	UJ	ug/kg	.9	1.7	J	ug/kg	2	2.3		ug/kg	2
gamma-Chlordane	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Toxaphene	210	U	ug/kg	210	210	UJ	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
Aroclor-1016	41	U	ug/kg	41	41	UJ	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1221	84	U	ug/kg	84	83	UJ	ug/kg	83	83	U	ug/kg	83	84	U	ug/kg	84
Aroclor-1232	41	U	ug/kg	41	41	UJ	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1242	41	U	ug/kg	41	41	UJ	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1248	41	U	ug/kg	41	41	UJ	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1254	41	U	ug/kg	41	41	UJ	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1260	56		ug/kg	41	41	J	ug/kg	41	89		ug/kg	41	62		ug/kg	41

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4966				K4967				K4968				K4969			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS21				CF5SS22				CF5SS23				CF5SS24			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
beta-BHC	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
delta-BHC	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
gamma-BHC (Lindane)	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
Heptachlor	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
Aldrin	.4	UJ	ug/kg	.4	.2	U	ug/kg	.2	.3	UJ	ug/kg	.3	.7	U	ug/kg	.7
Heptachlor epoxide	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
Endosulfan I	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
Dieldrin	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	.5	U	ug/kg	.5
4,4-DDE	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	13	J	ug/kg	4	4.4	U	ug/kg	4.4
Endrin	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
Endosulfan II	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
4,4-DDD	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
Endosulfan sulfate	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
4,4-DDT	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	20	UJ	ug/kg	20	4.4	U	ug/kg	4.4
Methoxychlor	26	UJ	ug/kg	26	20	U	ug/kg	20	20	UJ	ug/kg	20	23	U	ug/kg	23
Endrin ketone	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
Endrin aldehyde	5.1	UJ	ug/kg	5.1	4	U	ug/kg	4	3.9	UJ	ug/kg	3.9	4.4	U	ug/kg	4.4
alpha-Chlordane	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
gamma-Chlordane	2.6	UJ	ug/kg	2.6	2	U	ug/kg	2	2	UJ	ug/kg	2	2.3	U	ug/kg	2.3
Toxaphene	260	UJ	ug/kg	260	200	U	ug/kg	200	200	UJ	ug/kg	200	230	U	ug/kg	230
Aroclor-1016	51	UJ	ug/kg	51	40	U	ug/kg	40	39	UJ	ug/kg	39	44	U	ug/kg	44
Aroclor-1221	100	UJ	ug/kg	100	81	U	ug/kg	81	79	UJ	ug/kg	79	90	U	ug/kg	90
Aroclor-1232	51	UJ	ug/kg	51	40	U	ug/kg	40	39	UJ	ug/kg	39	44	U	ug/kg	44
Aroclor-1242	51	UJ	ug/kg	51	40	U	ug/kg	40	39	UJ	ug/kg	39	44	U	ug/kg	44
Aroclor-1248	51	UJ	ug/kg	51	40	U	ug/kg	40	39	UJ	ug/kg	39	44	U	ug/kg	44
Aroclor-1254	51	UJ	ug/kg	51	40	U	ug/kg	40	39	UJ	ug/kg	39	44	U	ug/kg	44
Aroclor-1260	51	UJ	ug/kg	51	40	U	ug/kg	40	58	J	ug/kg	39	44	U	ug/kg	44

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K4970				K4971				K4972				K4973			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS25				CF5SS26				CF5SS27				CF5SS27R			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
beta-BHC	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
delta-BHC	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
gamma-BHC (Lindane)	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
Heptachlor	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
Aldrin	1.8	U	ug/kg	1.8	.5	U	ug/kg	.5	.2	UJ	ug/kg	.2	.05	U	ug/l	.05
Heptachlor epoxide	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
Endosulfan I	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
Dieldrin	.26	J	ug/kg	3	4.1	U	ug/kg	4.1	1.4	J	ug/kg	4	.1	U	ug/l	.1
4,4-DDE	3.4	U	ug/kg	3.4	20		ug/kg	4	16	J	ug/kg	4	.1	U	ug/l	.1
Endrin	3.4	U	ug/kg	3.4	4.1	U	ug/kg	4.1	3.7	UJ	ug/kg	3.7	.1	U	ug/l	.1
Endosulfan II	3.4	U	ug/kg	3.4	4.1	U	ug/kg	4.1	3.7	UJ	ug/kg	3.7	.1	U	ug/l	.1
4,4-DDD	3.4	U	ug/kg	3.4	6.1		ug/kg	4	8.2	J	ug/kg	4	.1	U	ug/l	.1
Endosulfan sulfate	3.4	U	ug/kg	3.4	4.1	U	ug/kg	4.1	3.7	UJ	ug/kg	3.7	.1	U	ug/l	.1
4,4-DDT	.3	U	ug/kg	.3	15		ug/kg	4	36	J	ug/kg	4	.1	U	ug/l	.1
Methoxychlor	18	U	ug/kg	18	21	U	ug/kg	21	19	UJ	ug/kg	19	.5	U	ug/l	.5
Endrin ketone	3.4	U	ug/kg	3.4	4.1	U	ug/kg	4.1	3.7	UJ	ug/kg	3.7	.1	U	ug/l	.1
Endrin aldehyde	3.4	U	ug/kg	3.4	4.1	U	ug/kg	4.1	3.7	UJ	ug/kg	3.7	.1	U	ug/l	.1
alpha-Chlordane	1.8	U	ug/kg	1.8	.3	U	ug/kg	.3	.9	UJ	ug/kg	.9	.05	U	ug/l	.05
gamma-Chlordane	1.8	U	ug/kg	1.8	2.1	U	ug/kg	2.1	1.9	UJ	ug/kg	1.9	.05	U	ug/l	.05
Toxaphene	180	U	ug/kg	180	210	U	ug/kg	210	190	UJ	ug/kg	190	5	U	ug/l	5
Aroclor-1016	34	U	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1
Aroclor-1221	70	U	ug/kg	70	84	U	ug/kg	84	76	UJ	ug/kg	76	2	U	ug/l	2
Aroclor-1232	34	U	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1
Aroclor-1242	34	U	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1
Aroclor-1248	34	U	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1
Aroclor-1254	34	U	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1
Aroclor-1260	6.3	J	ug/kg	34	41	U	ug/kg	41	37	UJ	ug/kg	37	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K5544				K5546				K5547				K5548			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS28				CF5SS29				CF5SS30				CF5SS30D			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
beta-BHC	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
delta-BHC	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Heptachlor	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Aldrin	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Heptachlor epoxide	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Endosulfan I	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Dieldrin	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
4,4-DDE	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
Endrin	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
Endosulfan II	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
4,4-DDD	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
Endosulfan sulfate	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
4,4-DDT	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
Methoxychlor	19	U	ug/kg	19	24	U	ug/kg	24	24	U	ug/kg	24	18	U	ug/kg	18
Endrin ketone	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
Endrin aldehyde	3.7	U	ug/kg	3.7	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6	3.5	U	ug/kg	3.5
alpha-Chlordane	1.9	U	ug/kg	1.9	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
gamma-Chlordane	.29	J	ug/kg	2	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	1.8	U	ug/kg	1.8
Toxaphene	190	U	ug/kg	190	240	U	ug/kg	240	240	U	ug/kg	240	180	U	ug/kg	180
Aroclor-1016	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35
Aroclor-1221	74	U	ug/kg	74	93	U	ug/kg	93	93	U	ug/kg	93	71	U	ug/kg	71
Aroclor-1232	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35
Aroclor-1242	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35
Aroclor-1248	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35
Aroclor-1254	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35
Aroclor-1260	37	U	ug/kg	37	46	U	ug/kg	46	46	U	ug/kg	46	35	U	ug/kg	35

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K5551				K5553				K5551MS				K5551MSD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS31				CF5SS31D				CF5SS31MS				CF5SS31MSD			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
beta-BHC	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	2	U	ug/kg	2	3.2	U	ug/kg	3.2	18		ug/kg	2	16		ug/kg	2
Heptachlor	2	U	ug/kg	2	3.2	U	ug/kg	3.2	21		ug/kg	2	20		ug/kg	2
Aldrin	2	U	ug/kg	2	3.2	U	ug/kg	3.2	18		ug/kg	2	17		ug/kg	2
Heptachlor epoxide	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	42		ug/kg	4	40		ug/kg	4
4,4-DDE	1.3	J	ug/kg	4	6.2	U	ug/kg	6.2	.83	J	ug/kg	4	3.8	U	ug/kg	3.8
Endrin	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	43		ug/kg	4	39		ug/kg	4
Endosulfan II	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
4,4-DDD	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
Endosulfan sulfate	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
4,4-DDT	5.6		ug/kg	4	4	U	ug/kg	4	48		ug/kg	4	38		ug/kg	4
Methoxychlor	20	U	ug/kg	20	32	U	ug/kg	32	20	U	ug/kg	20	11	J	ug/kg	20
Endrin ketone	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
Endrin aldehyde	3.8	U	ug/kg	3.8	6.2	U	ug/kg	6.2	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
alpha-Chlordane	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	2	U	ug/kg	2	3.2	U	ug/kg	3.2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene	200	U	ug/kg	200	320	U	ug/kg	320	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1221	78	U	ug/kg	78	130	U	ug/kg	130	78	U	ug/kg	78	78	U	ug/kg	78
Aroclor-1232	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1242	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1248	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1254	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1260	38	U	ug/kg	38	62	U	ug/kg	62	38	U	ug/kg	38	38	U	ug/kg	38

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K5554			
Site	CECIL2			
Locator	CF5SS31R			
Collect Date:	26-FEB-94			
	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4803				K4806				K4807				K4809			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS1				CF5SS2				CF5SS3				CF5SS4			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2470		mg/kg	40	1260		mg/kg	40	871		mg/kg	40	1480		mg/kg	40
Antimony	3.8	U	mg/kg	12	3.6	U	mg/kg	12	3.5	U	mg/kg	12	4.7	U	mg/kg	12
Arsenic	.51	U	mg/kg	2	.48	U	mg/kg	2	.46	U	mg/kg	2	.62	U	mg/kg	2
Barium	4.7		mg/kg	40	5.4		mg/kg	40	1.7	U	mg/kg	40	8.5		mg/kg	40
Beryllium	.25	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1	.32	U	mg/kg	1
Cadmium	.76	U	mg/kg	1	.71	U	mg/kg	1	.7	U	mg/kg	1	.95	U	mg/kg	1
Calcium	2670	J	mg/kg	1000	3050	J	mg/kg	1000	131	J	mg/kg	1000	1150	J	mg/kg	1000
Chromium	3.2		mg/kg	2	2.5		mg/kg	2	2.3	U	mg/kg	2	3.9		mg/kg	2
Cobalt	1.7		mg/kg	10	1.4	U	mg/kg	10	1.9		mg/kg	10	1.9	U	mg/kg	10
Copper	1.6	U	mg/kg	5	1.5	U	mg/kg	5	1.6	U	mg/kg	5	2.7		mg/kg	5
Iron	1130		mg/kg	20	437		mg/kg	20	233		mg/kg	20	1070		mg/kg	20
Lead	3.6		mg/kg	1	7.6		mg/kg	1	1.8		mg/kg	1	9.5		mg/kg	1
Magnesium	91.2		mg/kg	1000	65.3	U	mg/kg	1000	24	U	mg/kg	1000	69.3	U	mg/kg	1000
Manganese	7.3		mg/kg	3	4.1	J	mg/kg	3	2.9	J	mg/kg	3	4	J	mg/kg	3
Mercury	.13	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1	.15	U	mg/kg	.1
Nickel	2.7	U	mg/kg	8	1.7	U	mg/kg	8	3	U	mg/kg	8	2.8	U	mg/kg	8
Potassium	41	U	mg/kg	1000	24.8	U	mg/kg	1000	18.5	U	mg/kg	1000	39.1	U	mg/kg	1000
Selenium	.69		mg/kg	1	.48	U	mg/kg	1	.46	U	mg/kg	1	.62	U	mg/kg	1
Silver	1.5	U	mg/kg	2	1.2	U	mg/kg	2	1.7	U	mg/kg	2	2.2	U	mg/kg	2
Sodium	103	J	mg/kg	1000	99.4	J	mg/kg	1000	91.6	J	mg/kg	1000	143	J	mg/kg	1000
Thallium	.26	UJ	mg/kg	2	.24	UJ	mg/kg	2	.23	UJ	mg/kg	2	.31	UJ	mg/kg	2
Vanadium	3.5		mg/kg	10	2.3		mg/kg	10	1.7		mg/kg	10	2.4		mg/kg	10
Zinc	3.3	J	mg/kg	4	11.9		mg/kg	4	1.6	J	mg/kg	4	11.5		mg/kg	4
Cyanide	.51	U	mg/kg	1	.48	U	mg/kg	1	.48	U	mg/kg	1	.6	U	mg/kg	1

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NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-butylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Fluoranthene	520	J	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Butylbenzylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Chrysene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	6000		ug/kg	4100	840	J	ug/kg	4100	4000	U	ug/kg	4000
Di-n-octylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (b) fluoranthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (k) fluoranthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (a) pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Dibenz (a,h) anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES ug/kg												
Phenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
bis(2-Chloroethyl) ether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Chlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,3-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,4-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzyl Alcohol	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Methylphenol	170	J	ug/kg	420	56	J	ug/kg	410	4100	U	ug/kg	4100
bis(2-Chloroisopropyl) ether	-		ug/kg		-		ug/kg		-		ug/kg	
4-Methylphenol	170	J	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachloroethane	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Nitrobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Isophorone	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Nitrophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dimethylphenol	210	J	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzoic Acid	390	J	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug7kg	4100
2,4-Dichlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,2,4-Trichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Naphthalene	420	U	ug/kg	420	410	U	ug/kg	410	1600	J	ug/kg	4100
4-Chloroaniline	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorobutadiene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Chloro-3-methylphenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Methylnaphthalene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorocyclopentadiene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4,6-Trichlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4,5-Trichlorophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
2-Chloronaphthalene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Dimethylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Acenaphthylene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,6-Dinitrotoluene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
3-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Acenaphthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dinitrophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
4-Nitrophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	UJ	ug/kg	20000
Dibenzofuran	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dinitrotoluene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Diethylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100

NAS CECIL FIELD -- SITE 17 -- SUBSURFACE SOIL
SEMI-VOLATILES

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Fluorene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
4,6-Dinitro-2-methylphenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Bromophenyl-phenylether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Pentachlorophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Phenanthrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Di-n-butylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Butylbenzylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
3,3'-Dichlorobenzidine	-		ug/kg		-		ug/kg		-		ug/kg	
Benzo (a) anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Chrysene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
bis(2-Ethylhexyl) phthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Di-n-octylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (b) fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (k) fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (a) pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Dibenz (a,h) anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (g,h,i) perylene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4811				K4812				K5545				K4816			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS5				CF5SS6				CF5SS7				CF5SS8			
Collect Date:	24-FEB-94				24-FEB-94				26-FEB-94				24-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	445		mg/kg	40	670		mg/kg	40	1660	J	mg/kg	40	919		mg/kg	40
Antimony	3.7	U	mg/kg	12	3.8	U	mg/kg	12	4.5	UJ	mg/kg	12	3.5	U	mg/kg	12
Arsenic	.47	U	mg/kg	2	.51	U	mg/kg	2	.46	U	mg/kg	2	.47	U	mg/kg	2
Barium	2.4	U	mg/kg	40	5.8		mg/kg	40	1.8	U	mg/kg	40	3.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.73	U	mg/kg	1	.76	U	mg/kg	1	.72	U	mg/kg	1	.69	U	mg/kg	1
Calcium	1330	J	mg/kg	1000	666	J	mg/kg	1000	272	J	mg/kg	1000	3240	J	mg/kg	1000
Chromium	2.4	U	mg/kg	2	2.5	U	mg/kg	2	2.4	U	mg/kg	2	2.3	U	mg/kg	2
Cobalt	1.5	U	mg/kg	10	1.5	U	mg/kg	10	1.4	U	mg/kg	10	1.5		mg/kg	10
Copper	.96	U	mg/kg	5	1.1	U	mg/kg	5	.48	U	mg/kg	5	2.4	U	mg/kg	5
Iron	358		mg/kg	20	359		mg/kg	20	124	J	mg/kg	20	288		mg/kg	20
Lead	4.8		mg/kg	1	10.6		mg/kg	1	2.8		mg/kg	1	47.4		mg/kg	1
Magnesium	20.9	U	mg/kg	1000	49.4	U	mg/kg	1000	26.8	UJ	mg/kg	1000	41.8	U	mg/kg	1000
Manganese	3.3	J	mg/kg	3	5.8	J	mg/kg	3	.8	UJ	mg/kg	3	3.8	J	mg/kg	3
Mercury	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.7	U	mg/kg	8	1.8	U	mg/kg	8	1.7	U	mg/kg	8	2.9	U	mg/kg	8
Potassium	13.8	U	mg/kg	1000	31.3	U	mg/kg	1000	23.4	U	mg/kg	1000	22.2	U	mg/kg	1000
Selenium	.47	U	mg/kg	1	.51	U	mg/kg	1	.46	U	mg/kg	1	.47	U	mg/kg	1
Silver	1.2	U	mg/kg	2	1.3	U	mg/kg	2	1.2	U	mg/kg	2	1.6	U	mg/kg	2
Sodium	102	J	mg/kg	1000	114	J	mg/kg	1000	149	U	mg/kg	1000	99.7	J	mg/kg	1000
Thallium	.24	UJ	mg/kg	2	.26	UJ	mg/kg	2	.23	UJ	mg/kg	2	.23	UJ	mg/kg	2
Vanadium	1.3		mg/kg	10	2		mg/kg	10	1.4		mg/kg	10	1.1		mg/kg	10
Zinc	1.8	J	mg/kg	4	2.2	J	mg/kg	4	8.7	U	mg/kg	4	3.5	J	mg/kg	4
Cyanide	.48	U	mg/kg	1	.51	U	mg/kg	1	.56	U	mg/kg	1	.46	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4815				K4818				K4808				K4956			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS9				CF5SS10				CF5SS11				CF5SS12			
Collect Date:	24-FEB-94				24-FEB-94				24-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	724		mg/kg	40	604		mg/kg	40	1530		mg/kg	40	571		mg/kg	40
Antimony	3.6	U	mg/kg	12	3.7	U	mg/kg	12	4	U	mg/kg	12	4.4	U	mg/kg	12
Arsenic	.47	U	mg/kg	2	.49	U	mg/kg	2	.52	U	mg/kg	2	.45	U	mg/kg	2
Barium	3.6		mg/kg	40	1.7	U	mg/kg	40	6.8		mg/kg	40	3.7		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.26	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.71	U	mg/kg	1	.73	U	mg/kg	1	.79	U	mg/kg	1	.68	U	mg/kg	1
Calcium	368	J	mg/kg	1000	1180	J	mg/kg	1000	278	J	mg/kg	1000	595		mg/kg	1000
Chromium	2.4	U	mg/kg	2	2.4	U	mg/kg	2	2.6	U	mg/kg	2	2.3	U	mg/kg	2
Cobalt	1.4	U	mg/kg	10	1.5	U	mg/kg	10	2.1		mg/kg	10	1.4	U	mg/kg	10
Copper	1.1	U	mg/kg	5	1.6	U	mg/kg	5	2.4	U	mg/kg	5	3.6	UJ	mg/kg	5
Iron	310		mg/kg	20	120		mg/kg	20	267		mg/kg	20	262		mg/kg	20
Lead	18.2		mg/kg	1	2.8		mg/kg	1	2.6		mg/kg	1	5.6		mg/kg	1
Magnesium	24.7	U	mg/kg	1000	31.6	U	mg/kg	1000	40.9	U	mg/kg	1000	32.6	U	mg/kg	1000
Manganese	3.3	J	mg/kg	3	2.5	UJ	mg/kg	3	2.7	UJ	mg/kg	3	2.4	UJ	mg/kg	3
Mercury	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2	U	mg/kg	8	2.2	U	mg/kg	8	3	U	mg/kg	8	2	U	mg/kg	8
Potassium	18	U	mg/kg	1000	18.8	U	mg/kg	1000	34	U	mg/kg	1000	45.6	UJ	mg/kg	1000
Selenium	.47	U	mg/kg	1	.49	U	mg/kg	1	.52	U	mg/kg	1	.45	UJ	mg/kg	1
Silver	1.2	U	mg/kg	2	1.2	U	mg/kg	2	1.9	U	mg/kg	2	1.1	U	mg/kg	2
Sodium	92	J	mg/kg	1000	106	J	mg/kg	1000	129	J	mg/kg	1000	149	U	mg/kg	1000
Thallium	.24	UJ	mg/kg	2	.25	UJ	mg/kg	2	.26	UJ	mg/kg	2	.22	U	mg/kg	2
Vanadium	1.3		mg/kg	10	1.1		mg/kg	10	3.3		mg/kg	10	1.5		mg/kg	10
Zinc	2.1	J	mg/kg	4	1.4	J	mg/kg	4	3.6	J	mg/kg	4	3.5	U	mg/kg	4
Cyanide	.48	U	mg/kg	1	.51	U	mg/kg	1	.51	U	mg/kg	1	.55	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4957				K4958				K4959				K4960			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS14				CF5SS15				CF5SS16			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2490		mg/kg	40	6610		mg/kg	40	2780		mg/kg	40	1580		mg/kg	40
Antimony	3.5	U	mg/kg	12	3.5	U	mg/kg	12	3.5	U	mg/kg	12	3.6	U	mg/kg	12
Arsenic	.47	U	mg/kg	2	.45	U	mg/kg	2	.59		mg/kg	2	.48	U	mg/kg	2
Barium	4		mg/kg	40	6.6		mg/kg	40	12.6		mg/kg	40	4.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.71	U	mg/kg	1	.7	U	mg/kg	1	.7	U	mg/kg	1	.71	U	mg/kg	1
Calcium	920		mg/kg	1000	350		mg/kg	1000	18500		mg/kg	1000	79900		mg/kg	1000
Chromium	2.8		mg/kg	2	7.4		mg/kg	2	14.4		mg/kg	2	3.6		mg/kg	2
Cobalt	1.4	U	mg/kg	10	1.4	U	mg/kg	10	2	J	mg/kg	10	1.4	U	mg/kg	10
Copper	1.3	UJ	mg/kg	5	1.2	UJ	mg/kg	5	4.5	UJ	mg/kg	5	3	UJ	mg/kg	5
Iron	451		mg/kg	20	1110		mg/kg	20	1710		mg/kg	20	507		mg/kg	20
Lead	88.9		mg/kg	1	5.9		mg/kg	1	34.1		mg/kg	1	7.2		mg/kg	1
Magnesium	77.1		mg/kg	1000	118		mg/kg	1000	1950		mg/kg	1000	551		mg/kg	1000
Manganese	3.8	UJ	mg/kg	3	4.8	UJ	mg/kg	3	29.9	J	mg/kg	3	13.9	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	2	U	mg/kg	8	3	U	mg/kg	8	13.6	J	mg/kg	8	1.7	U	mg/kg	8
Potassium	50.1	UJ	mg/kg	1000	93.5	UJ	mg/kg	1000	73.9	UJ	mg/kg	1000	142	UJ	mg/kg	1000
Selenium	.47	UJ	mg/kg	1	.45	UJ	mg/kg	1	.46	UJ	mg/kg	1	.48	UJ	mg/kg	1
Silver	1.2	U	mg/kg	2	1.2	U	mg/kg	2	1.2	U	mg/kg	2	1.2	U	mg/kg	2
Sodium	141	U	mg/kg	1000	146	U	mg/kg	1000	149	U	mg/kg	1000	162	U	mg/kg	1000
Thallium	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	2.2		mg/kg	10	5.4		mg/kg	10	3.7		mg/kg	10	5.3		mg/kg	10
Zinc	6.3	U	mg/kg	4	2.8	U	mg/kg	4	76.4		mg/kg	4	5.9	U	mg/kg	4
Cyanide	.57	U	mg/kg	1	.54	U	mg/kg	1	.52	U	mg/kg	1	.55	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4961				K4962				K4963				K4964			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS17				CF5SS18				CF5SS19				CF5SS20			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	196		mg/kg	40	2090		mg/kg	40	1360		mg/kg	40	3490		mg/kg	40
Antimony	3.4	U	mg/kg	12	3.4	U	mg/kg	12	4.4	U	mg/kg	12	4.9	U	mg/kg	12
Arsenic	.46	U	mg/kg	2	.46		mg/kg	2	.73		mg/kg	2	.78		mg/kg	2
Barium	1.5	U	mg/kg	40	7.9		mg/kg	40	6		mg/kg	40	27		mg/kg	40
Beryllium	.23	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1	.27		mg/kg	1
Cadmium	.68	U	mg/kg	1	.68	U	mg/kg	1	.81		mg/kg	1	.73	U	mg/kg	1
Calcium	1170		mg/kg	1000	46600		mg/kg	1000	125000		mg/kg	1000	67600		mg/kg	1000
Chromium	2.3	U	mg/kg	2	4.4		mg/kg	2	5.7		mg/kg	2	6.6		mg/kg	2
Cobalt	1.4	U	mg/kg	10	1.4	U	mg/kg	10	2.4	J	mg/kg	10	2.5	J	mg/kg	10
Copper	.45	UJ	mg/kg	5	5.5	UJ	mg/kg	5	2.6	UJ	mg/kg	5	11.5	J	mg/kg	5
Iron	62.7		mg/kg	20	1120		mg/kg	20	584		mg/kg	20	2660		mg/kg	20
Lead	1.2		mg/kg	1	15.1		mg/kg	1	7.7		mg/kg	1	111		mg/kg	1
Magnesium	13.7	U	mg/kg	1000	393		mg/kg	1000	768		mg/kg	1000	1790		mg/kg	1000
Manganese	1	UJ	mg/kg	3	19.9	J	mg/kg	3	19.6	J	mg/kg	3	75.3	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.6	U	mg/kg	8	1.8	U	mg/kg	8	3	U	mg/kg	8	4.9	U	mg/kg	8
Potassium	30.1	UJ	mg/kg	1000	75.1	UJ	mg/kg	1000	77	UJ	mg/kg	1000	423	UJ	mg/kg	1000
Selenium	.46	UJ	mg/kg	1	.46	UJ	mg/kg	1	.47	UJ	mg/kg	1	.49	UJ	mg/kg	1
Silver	1.1	U	mg/kg	2	1.1	U	mg/kg	2	1.2	U	mg/kg	2	1.2	U	mg/kg	2
Sodium	119	U	mg/kg	1000	156	U	mg/kg	1000	168	U	mg/kg	1000	200		mg/kg	1000
Thallium	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	1		mg/kg	10	3.6		mg/kg	10	5.6		mg/kg	10	7.8		mg/kg	10
Zinc	1.1	U	mg/kg	4	20.9		mg/kg	4	8.8		mg/kg	4	98.2		mg/kg	4
Cyanide	.57	U	mg/kg	1	.54	U	mg/kg	1	.56	U	mg/kg	1	.57	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4965				K4966				K4967				K4968			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20D				CF5SS21				CF5SS22				CF5SS23			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3270		mg/kg	40	5450		mg/kg	40	588		mg/kg	40	3430		mg/kg	40
Antimony	5.6	U	mg/kg	12	6.5	U	mg/kg	12	4.6	U	mg/kg	12	4.4	U	mg/kg	12
Arsenic	.91		mg/kg	2	.62	U	mg/kg	2	.49	U	mg/kg	2	.73		mg/kg	2
Barium	23.5		mg/kg	40	5.3		mg/kg	40	2.6		mg/kg	40	17.7		mg/kg	40
Beryllium	.25	U	mg/kg	1	.32	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.76		mg/kg	1	.95	U	mg/kg	1	.73	U	mg/kg	1	.72	U	mg/kg	1
Calcium	63500		mg/kg	1000	623		mg/kg	1000	1220		mg/kg	1000	35500		mg/kg	1000
Chromium	6.6		mg/kg	2	11.6		mg/kg	2	2.4	U	mg/kg	2	7.4		mg/kg	2
Cobalt	2.6	J	mg/kg	10	1.9	U	mg/kg	10	1.5	U	mg/kg	10	3.7	J	mg/kg	10
Copper	12.1	J	mg/kg	5	4.5	UJ	mg/kg	5	1.9	UJ	mg/kg	5	7.9	J	mg/kg	5
Iron	2030		mg/kg	20	992		mg/kg	20	277		mg/kg	20	4150		mg/kg	20
Lead	64.3		mg/kg	1	11.6		mg/kg	1	5		mg/kg	1	36.3		mg/kg	1
Magnesium	1410		mg/kg	1000	76.4	U	mg/kg	1000	34.9	U	mg/kg	1000	1240		mg/kg	1000
Manganese	49.5	J	mg/kg	3	2.2	UJ	mg/kg	3	2.4	UJ	mg/kg	3	75.2	J	mg/kg	3
Mercury	.13	U	mg/kg	.1	.16		mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	5.9	U	mg/kg	8	4.6	U	mg/kg	8	2.3	U	mg/kg	8	5.8	U	mg/kg	8
Potassium	171	UJ	mg/kg	1000	72.6	UJ	mg/kg	1000	40.3	UJ	mg/kg	1000	505	UJ	mg/kg	1000
Selenium	.49	UJ	mg/kg	1	.62	UJ	mg/kg	1	.49	UJ	mg/kg	1	.54	UJ	mg/kg	1
Silver	1.3	U	mg/kg	2	2.1	U	mg/kg	2	1.5	U	mg/kg	2	1.5	U	mg/kg	2
Sodium	169	U	mg/kg	1000	193	U	mg/kg	1000	152	U	mg/kg	1000	180	U	mg/kg	1000
Thallium	.25	U	mg/kg	2	.31	U	mg/kg	2	.25	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	6.5		mg/kg	10	3.5		mg/kg	10	1.5		mg/kg	10	8.9		mg/kg	10
Zinc	89.9		mg/kg	4	2.7	U	mg/kg	4	2.6	U	mg/kg	4	79.7		mg/kg	4
Cyanide	.57	U	mg/kg	1	.71	U	mg/kg	1	.58	U	mg/kg	1	.57	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4969				K4970				K4971				K4972			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS24				CF5SS25				CF5SS26				CF5SS27			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	11500		mg/kg	40	581		mg/kg	40	1850		mg/kg	40	3690		mg/kg	40
Antimony	4.9	U	mg/kg	12	5	U	mg/kg	12	3.8	U	mg/kg	12	3.4	U	mg/kg	12
Arsenic	.87		mg/kg	2	.41	U	mg/kg	2	.51	U	mg/kg	2	2.1	J	mg/kg	2
Barium	8.5		mg/kg	40	3.8		mg/kg	40	8.4		mg/kg	40	21.5		mg/kg	40
Beryllium	.28	U	mg/kg	1	.21	U	mg/kg	1	.25	U	mg/kg	1	.29		mg/kg	1
Cadmium	.83	U	mg/kg	1	.63	U	mg/kg	1	.75	U	mg/kg	1	.68	U	mg/kg	1
Calcium	1390		mg/kg	1000	47900		mg/kg	1000	38800		mg/kg	1000	36300		mg/kg	1000
Chromium	11.7		mg/kg	2	2.1	U	mg/kg	2	4.6		mg/kg	2	5.2		mg/kg	2
Cobalt	2.4	J	mg/kg	10	1.5	J	mg/kg	10	1.5	U	mg/kg	10	1.4	U	mg/kg	10
Copper	2.5	UJ	mg/kg	5	1.1	UJ	mg/kg	5	2.4	UJ	mg/kg	5	5.5	UJ	mg/kg	5
Iron	1460		mg/kg	20	237		mg/kg	20	817		mg/kg	20	1630		mg/kg	20
Lead	6.3		mg/kg	1	3.5		mg/kg	1	40.7		mg/kg	1	43.6		mg/kg	1
Magnesium	194		mg/kg	1000	554		mg/kg	1000	401		mg/kg	1000	1660		mg/kg	1000
Manganese	9.6	J	mg/kg	3	15.3	J	mg/kg	3	28.4	J	mg/kg	3	53.1	J	mg/kg	3
Mercury	.14	U	mg/kg	.1	.1	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	7.1	U	mg/kg	8	1.7	U	mg/kg	8	1.8	U	mg/kg	8	2.9	U	mg/kg	8
Potassium	133	UJ	mg/kg	1000	49.4	UJ	mg/kg	1000	109	UJ	mg/kg	1000	340	UJ	mg/kg	1000
Selenium	.55	UJ	mg/kg	1	.41	UJ	mg/kg	1	.51	UJ	mg/kg	1	.45	UJ	mg/kg	1
Silver	1.9	UJ	mg/kg	2	1.2	U	mg/kg	2	1.3	U	mg/kg	2	1.1	U	mg/kg	2
Sodium	170	U	mg/kg	1000	135	U	mg/kg	1000	193	U	mg/kg	1000	221		mg/kg	1000
Thallium	.27	U	mg/kg	2	.2	U	mg/kg	2	.25	U	mg/kg	2	.23	U	mg/kg	2
Vanadium	7.4		mg/kg	10	2.3		mg/kg	10	3.9		mg/kg	10	7.2		mg/kg	10
Zinc	42.8		mg/kg	4	63.3		mg/kg	4	27.3		mg/kg	4	51.7		mg/kg	4
Cyanide	.65	U	mg/kg	1	.48	U	mg/kg	1	.61	U	mg/kg	1	.54	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K4973				K5544				K5546				K5547			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS27R				CF5SS28				CF5SS29				CF5SS30			
Collect Date:	25-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	38	U	ug/l	200	586	J	mg/kg	40	7150	J	mg/kg	40	1980	J	mg/kg	40
Antimony	21.7		ug/l	60	4.3	UJ	mg/kg	12	5.4	UJ	mg/kg	12	5.4	UJ	mg/kg	12
Arsenic	2	U	ug/l	10	.45	U	mg/kg	2	.55	U	mg/kg	2	.55	U	mg/kg	2
Barium	3.1		ug/l	200	42.5		mg/kg	40	6.2		mg/kg	40	2.5	U	mg/kg	40
Beryllium	1	U	ug/l	5	.23	U	mg/kg	1	.28	U	mg/kg	1	.28	U	mg/kg	1
Cadmium	3	U	ug/l	5	.68	U	mg/kg	1	.85	U	mg/kg	1	.85	U	mg/kg	1
Calcium	67.7		ug/l	5000	82200	J	mg/kg	1000	1170	J	mg/kg	1000	1170	J	mg/kg	1000
Chromium	10	U	ug/l	10	2.3	U	mg/kg	2	7.6		mg/kg	2	2.8	U	mg/kg	2
Cobalt	6	U	ug/l	50	1.4	U	mg/kg	10	1.7	U	mg/kg	10	1.7	U	mg/kg	10
Copper	4.5		ug/l	25	.76		mg/kg	5	.88		mg/kg	5	2.1		mg/kg	5
Iron	18	U	ug/l	100	361	J	mg/kg	20	757	J	mg/kg	20	453	J	mg/kg	20
Lead	1	U	ug/l	3	5.6		mg/kg	1	6.6		mg/kg	1	2.2		mg/kg	1
Magnesium	57.6		ug/l	5000	4980	J	mg/kg	1000	94.9	J	mg/kg	1000	37.5	UJ	mg/kg	1000
Manganese	2	UJ	ug/l	15	10	J	mg/kg	3	3	UJ	mg/kg	3	2.2	UJ	mg/kg	3
Mercury	.2	U	ug/l	.2	.11	U	mg/kg	.1	.14	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	7.1	J	ug/l	40	1.6		mg/kg	8	2.9		mg/kg	8	2	U	mg/kg	8
Potassium	544	J	ug/l	5000	58.8	U	mg/kg	1000	51	U	mg/kg	1000	23.2	U	mg/kg	1000
Selenium	2	U	ug/l	5	.45	U	mg/kg	1	.55	U	mg/kg	1	.55	U	mg/kg	1
Silver	6.2		ug/l	10	1.1	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Sodium	159		ug/l	5000	228		mg/kg	1000	203	U	mg/kg	1000	162	U	mg/kg	1000
Thallium	1	U	ug/l	10	.23	UJ	mg/kg	2	.28	UJ	mg/kg	2	.27	UJ	mg/kg	2
Vanadium	4	U	ug/l	50	4.8		mg/kg	10	4.5		mg/kg	10	2		mg/kg	10
Zinc	4	U	ug/l	20	3.7		mg/kg	4	8.1	U	mg/kg	4	7.9	U	mg/kg	4
Cyanide	10	U	ug/l	10	.52	U	mg/kg	1	.63	U	mg/kg	1	.64	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K5548				K5551				K5553				K5554			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS30D				CF5SS31				CF5SS31D				CF5SS31R			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1240	J	mg/kg	40	3880	J	mg/kg	40	6810	J	mg/kg	40	38	U	ug/l	200
Antimony	4	UJ	mg/kg	12	4.4	UJ	mg/kg	12	7.4	UJ	mg/kg	12	19	U	ug/l	60
Arsenic	.43	U	mg/kg	2	.46	U	mg/kg	2	.78	U	mg/kg	2	2	U	ug/l	10
Barium	2.4	U	mg/kg	40	8.1		mg/kg	40	15.1		mg/kg	40	2.7		ug/l	200
Beryllium	.21	U	mg/kg	1	.23	U	mg/kg	1	.39	U	mg/kg	1	1	U	ug/l	5
Cadmium	.63	U	mg/kg	1	.69	U	mg/kg	1	1.2	U	mg/kg	1	3	U	ug/l	5
Calcium	1180	J	mg/kg	1000	6550	J	mg/kg	1000	7950	J	mg/kg	1000	167		ug/l	5000
Chromium	2.1	U	mg/kg	2	5.4		mg/kg	2	8.3		mg/kg	2	10	U	ug/l	10
Cobalt	1.3	U	mg/kg	10	1.4	U	mg/kg	10	2.3	U	mg/kg	10	6	U	ug/l	50
Copper	1.7		mg/kg	5	4.1		mg/kg	5	6.6		mg/kg	5	2	U	ug/l	25
Iron	288	J	mg/kg	20	944	J	mg/kg	20	1520	J	mg/kg	20	18	U	ug/l	100
Lead	1.7		mg/kg	1	31.9		mg/kg	1	58.2		mg/kg	1	1	U	ug/l	3
Magnesium	37.4	UJ	mg/kg	1000	997	J	mg/kg	1000	189	J	mg/kg	1000	66.9		ug/l	5000
Manganese	8.3	J	mg/kg	3	24.5	J	mg/kg	3	39	J	mg/kg	3	2.3		ug/l	15
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.2	U	mg/kg	.1	.2	U	ug/l	.2
Nickel	1.5	U	mg/kg	8	1.6	U	mg/kg	8	2.7	U	mg/kg	8	7	U	ug/l	40
Potassium	23.8	U	mg/kg	1000	50.3	U	mg/kg	1000	91.8	U	mg/kg	1000	160		ug/l	5000
Selenium	.43	U	mg/kg	1	.46	U	mg/kg	1	.78	U	mg/kg	1	2	U	ug/l	5
Silver	1.1	U	mg/kg	2	1.1	U	mg/kg	2	1.9	U	mg/kg	2	5	U	ug/l	10
Sodium	170	U	mg/kg	1000	147	U	mg/kg	1000	277	U	mg/kg	1000	194		ug/l	5000
Thallium	.21	UJ	mg/kg	2	.23	UJ	mg/kg	2	.39	UJ	mg/kg	2	1	U	ug/l	10
Vanadium	1.3		mg/kg	10	3.2		mg/kg	10	5		mg/kg	10	4	U	ug/l	50
Zinc	3	U	mg/kg	4	18.3		mg/kg	4	31.7		mg/kg	4	12.1		ug/l	20
Cyanide	.5	U	mg/kg	1	.54	U	mg/kg	1	.88	U	mg/kg	1	10	U	ug/l	10

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SITE 5 SUBSURFACE SOIL AND 1991 SUBSURFACE SOIL DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Collect Date:	30-SEP-93				30-SEP-93				30-SEP-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Bromomethane	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Vinyl chloride	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Chloroethane	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Methylene chloride	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Acetone	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Carbon disulfide	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,1-Dichloroethene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,1-Dichloroethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,2-Dichloroethene (total)	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Chloroform	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,2-Dichloroethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
2-Butanone	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
1,1,1-Trichloroethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Carbon tetrachloride	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Bromodichloromethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,2-Dichloropropane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
cis-1,3-Dichloropropene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Trichloroethene	710	U	ug/kg	710	560	J	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Dibromochloromethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,1,2-Trichloroethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Benzene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
trans-1,3-Dichloropropene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Bromoform	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
4-Methyl-2-pentanone	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
2-Hexanone	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1400	U	ug/kg	1400
Tetrachloroethene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Toluene	710	U	ug/kg	710	590	J	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
1,1,2,2-Tetrachloroethane	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Chlorobenzene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Ethylbenzene	710	U	ug/kg	710	640	J	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Styrene	710	U	ug/kg	710	720	U	ug/kg	720	770	U	ug/kg	770	680	U	ug/kg	680
Xylenes (total)	1200	J	ug/kg	710	12000	J	ug/kg	720	3600	J	ug/kg	770	680	U	ug/kg	680

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR11SOM			CF5BR11SOM			CF5BR11S6			CF5BR12S4		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR11SOMS			CF5BR11SOMSD			CF5BR11S6			CF5BR12S4		
Collect Date:	01-OCT-93			01-OCT-93			01-OCT-93			01-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
Bromomethane	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
Vinyl chloride	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
Chloroethane	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
Methylene chloride	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Acetone	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	5200	ug/kg	1500
Carbon disulfide	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,1-Dichloroethene	5300	ug/kg	680	5200	ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,1-Dichloroethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,2-Dichloroethene (total)	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Chloroform	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,2-Dichloroethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
2-Butanone	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
1,1,1-Trichloroethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Carbon tetrachloride	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Bromodichloromethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,2-Dichloropropane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
cis-1,3-Dichloropropene	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Trichloroethene	7100	ug/kg	680	6700	ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Dibromochloromethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,1,2-Trichloroethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Benzene	7600	ug/kg	680	7400	ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
trans-1,3-Dichloropropene	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Bromoform	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
4-Methyl-2-pentanone	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
2-Hexanone	1400	U ug/kg	1400	1400	U ug/kg	1400	1500	U ug/kg	1500	1500	U ug/kg	1500
Tetrachloroethene	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Toluene	7200	ug/kg	680	6800	ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
1,1,2,2-Tetrachloroethane	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Chlorobenzene	7300	ug/kg	680	7100	ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Ethylbenzene	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Styrene	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750
Xylenes (total)	680	U ug/kg	680	680	U ug/kg	680	740	U ug/kg	740	750	U ug/kg	750

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR12S6				CF5BR13S2				CF5BR13S4				CF5BR13S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR12S6				CF5BR13S2				CF5BR13S4				CF5BR13S4R			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
Bromomethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
Vinyl chloride	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
Chloroethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
Methylene chloride	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Acetone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
Carbon disulfide	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,1-Dichloroethene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,1-Dichloroethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,2-Dichloroethene (total)	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Chloroform	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,2-Dichloroethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
2-Butanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
1,1,1-Trichloroethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Carbon tetrachloride	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Bromodichloromethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,2-Dichloropropane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
cis-1,3-Dichloropropene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Trichloroethene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Dibromochloromethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,1,2-Trichloroethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Benzene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
trans-1,3-Dichloropropene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Bromoform	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
4-Methyl-2-pentanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	U	ug/l	2
2-Hexanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500	2	R	ug/l	2
Tetrachloroethene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Toluene	1400	J	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Chlorobenzene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Ethylbenzene	1000	J	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Styrene	750	U	ug/kg	750	750	U	ug/kg	750	740	U	ug/kg	740	1	U	ug/l	1
Xylenes (total)	5600	J	ug/kg	750	750	U	ug/kg	750	980	J	ug/kg	15	1	U	ug/l	1

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R ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR13S4R				CF5BR14S0				CF5BR14S2				CF5BR15S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR13S4RT				CF5BR14S0				CF5BR14S2				CF5BR15S0			
Collect Date:	01-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
Bromomethane	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
Vinyl chloride	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
Chloroethane	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
Methylene chloride	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Acetone	3	J	ug/l	2	1600	U	ug/kg	1600	32	U	ug/kg	32	330	J	ug/kg	57
Carbon disulfide	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,1-Dichloroethene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,1-Dichloroethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,2-Dichloroethene (total)	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Chloroform	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,2-Dichloroethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
2-Butanone	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
1,1,1-Trichloroethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Carbon tetrachloride	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Bromodichloromethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,2-Dichloropropane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
cis-1,3-Dichloropropene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Trichloroethene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Dibromochloromethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
1,1,2-Trichloroethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Benzene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
trans-1,3-Dichloropropene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Bromoform	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
4-Methyl-2-pentanone	2	U	ug/l	2	1600	U	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
2-Hexanone	2	R	ug/l	2	1600	R	ug/kg	1600	12	U	ug/kg	12	57	U	ug/kg	57
Tetrachloroethene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Toluene	1	U	ug/l	1	1100		ug/kg	790	9		ug/kg	12	28	U	ug/kg	28
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Chlorobenzene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Ethylbenzene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Styrene	1	U	ug/l	1	790	U	ug/kg	790	6	U	ug/kg	6	28	U	ug/kg	28
Xylenes (total)	1	U	ug/l	1	1200		ug/kg	790	18		ug/kg	12	28	U	ug/kg	28

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR15S2				CF5BR16S2				CF5BR16S4				CF5BR17S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR15S2				CF5BR16S2				CF5BR16S4				CF5BR17S4			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
Bromomethane	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
Vinyl chloride	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
Chloroethane	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
Methylene chloride	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Acetone	80	U	ug/kg	80	1500	U	ug/kg	1500	1300	J	ug/kg	1600	1500	U	ug/kg	1500
Carbon disulfide	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,1-Dichloroethene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,1-Dichloroethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,2-Dichloroethene (total)	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Chloroform	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,2-Dichloroethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
2-Butanone	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
1,1,1-Trichloroethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Carbon tetrachloride	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Bromodichloromethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,2-Dichloropropane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
cis-1,3-Dichloropropene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Trichloroethene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Dibromochloromethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
1,1,2-Trichloroethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Benzene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
trans-1,3-Dichloropropene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Bromoform	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
4-Methyl-2-pentanone	12	U	ug/kg	12	1500	U	ug/kg	1500	1600	U	ug/kg	1600	1500	U	ug/kg	1500
2-Hexanone	12	U	ug/kg	12	1500	R	ug/kg	1500	1600	R	ug/kg	1600	1500	R	ug/kg	1500
Tetrachloroethene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Toluene	6	U	ug/kg	6	740	U	ug/kg	740	410	J	ug/kg	780	8700		ug/kg	770
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Chlorobenzene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Ethylbenzene	6	U	ug/kg	6	510	J	ug/kg	740	620	J	ug/kg	780	5700		ug/kg	770
Styrene	6	U	ug/kg	6	740	U	ug/kg	740	780	U	ug/kg	780	770	U	ug/kg	770
Xylenes (total)	6	U	ug/kg	6	2800		ug/kg	740	3900		ug/kg	780	29000		ug/kg	770

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5BR17S6			CF5BR18S2			CF5BR18S4			CF5MS8S0		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR17S6			CF5BR18S2			CF5BR18S4			CF5MS8S0		
Collect Date:	02-OCT-93			30-SEP-93			30-SEP-93			12-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Bromomethane	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Vinyl chloride	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Chloroethane	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Methylene chloride	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Acetone	210	U ug/kg	210	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Carbon disulfide	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,1-Dichloroethene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,1-Dichloroethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,2-Dichloroethene (total)	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Chloroform	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,2-Dichloroethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
2-Butanone	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
1,1,1-Trichloroethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Carbon tetrachloride	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Bromodichloromethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,2-Dichloropropane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
cis-1,3-Dichloropropene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Trichloroethene	30	U ug/kg	30	740	U ug/kg	740	1200	J ug/kg	780	6	U ug/kg	6
Dibromochloromethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
1,1,2-Trichloroethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Benzene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
trans-1,3-Dichloropropene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Bromoform	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
4-Methyl-2-pentanone	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
2-Hexanone	60	U ug/kg	60	1500	U ug/kg	1500	1600	U ug/kg	1600	12	U ug/kg	12
Tetrachloroethene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Toluene	61	ug/kg	60	740	U ug/kg	740	680	J ug/kg	780	6	U ug/kg	6
1,1,2,2-Tetrachloroethane	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Chlorobenzene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Ethylbenzene	30	U ug/kg	30	740	U ug/kg	740	610	J ug/kg	780	6	U ug/kg	6
Styrene	30	U ug/kg	30	740	U ug/kg	740	780	U ug/kg	780	6	U ug/kg	6
Xylenes (total)	390	ug/kg	60	740	U ug/kg	740	3200	J ug/kg	780	6	U ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS8S0MS				CF5MS8S0MS				CF5MS8S2				CF5MS13S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS8S0MS				CF5MS8S0MSD				CF5MS8S2				CF5MS13S0			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				11-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Acetone	12	U	ug/kg	12	12	U	ug/kg	12	1000		ug/kg	60	12	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
1,1-Dichloroethene	67		ug/kg	12	66		ug/kg	12	30	U	ug/kg	30	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Trichloroethene	61		ug/kg	12	59		ug/kg	12	30	U	ug/kg	30	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Benzene	60		ug/kg	12	58		ug/kg	12	30	U	ug/kg	30	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Toluene	65		ug/kg	12	62		ug/kg	12	30	U	ug/kg	30	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Chlorobenzene	62		ug/kg	12	61		ug/kg	12	30	U	ug/kg	30	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS13S0D				CF5MS13S4				CF5MS19S0				CF5MS19S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S0D				CF5MS13S4				CF5MS19S0				CF5MS19S4			
Collect Date:	11-OCT-93				11-OCT-93				05-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
Bromomethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
Vinyl chloride	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
Chloroethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Acetone	11	U	ug/kg	11	72		ug/kg	12	12	U	ug/kg	12	210	J	ug/kg	16
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
2-Butanone	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
4-Methyl-2-pentanone	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
2-Hexanone	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11	16	U	ug/kg	16
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	8	U	ug/kg	8

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS19S4R				CF5MS19S4R				CF5MS20S0				CF5MS20S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS19S4R				CF5MS19S4RT				CF5MS20S0				CF5MS20S2			
Collect Date:	05-OCT-93				05-OCT-93				04-OCT-93				04-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Acetone	2	U	ug/l	2	5		ug/l	2	14	U	ug/kg	14	77	U	ug/kg	77
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Chloroform	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Benzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Bromoform	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	13	U	ug/kg	13
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Toluene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Styrene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
U.) - REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
F ESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS23S0				CF5MS23S10				CF5MS23S2				CF5MS24S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS23S0				CF5MS23S10R				CF5MS23S2				CF5MS24S2			
Collect Date:	21-SEP-93				21-SEP-93				21-SEP-93				27-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	2	U	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
Bromomethane	13	U	ug/kg	13	2	U	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
Vinyl chloride	13	U	ug/kg	13	2	U	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
Chloroethane	13	U	ug/kg	13	2	U	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	1		ug/l	2	8	U	ug/kg	8	6	U	ug/kg	6
Acetone	13	U	ug/kg	13	2	U	ug/l	2	54		ug/kg	15	12	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
2-Butanone	13	U	ug/kg	13	2	U	ug/l	2	8	J	ug/kg	15	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
4-Methyl-2-pentanone	13	U	ug/kg	13	2	U	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
2-Hexanone	13	U	ug/kg	13	2	R	ug/l	2	15	U	ug/kg	15	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	1	U	ug/l	1	8	U	ug/kg	8	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS24S6				CF5MS29ST				CF5MS29S0				CF5MS29S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS24S6				CF5MS29ST				CF5MS29S0				CF5MS29S4			
Collect Date:	27-SEP-93				19-SEP-93				22-SEP-93				22-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	2	U	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	12	U	ug/kg	12	2	R	ug/l	2	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	1	U	ug/l	1	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF5MS30S2				CF5MS30S6			
Site	CECIL2				CECIL2			
Locator	CF5MS30S2				CF5MS30S6			
Collect Date:	20-SEP-93				20-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	1500	U	ug/kg	1500	12	U	ug/kg	12
Bromomethane	1500	U	ug/kg	1500	12	U	ug/kg	12
Vinyl chloride	1500	U	ug/kg	1500	12	U	ug/kg	12
Chloroethane	1500	U	ug/kg	1500	12	U	ug/kg	12
Methylene chloride	770	U	ug/kg	770	6	U	ug/kg	6
Acetone	1500	U	ug/kg	1500	74		ug/kg	12
Carbon disulfide	770	U	ug/kg	770	6	U	ug/kg	6
1,1-Dichloroethene	770	U	ug/kg	770	6	U	ug/kg	6
1,1-Dichloroethane	770	U	ug/kg	770	6	U	ug/kg	6
1,2-Dichloroethene (total)	770	U	ug/kg	770	6	U	ug/kg	6
Chloroform	770	U	ug/kg	770	6	U	ug/kg	6
1,2-Dichloroethane	770	U	ug/kg	770	6	U	ug/kg	6
2-Butanone	1500	U	ug/kg	1500	13		ug/kg	12
1,1,1-Trichloroethane	770	U	ug/kg	770	6	U	ug/kg	6
Carbon tetrachloride	770	U	ug/kg	770	6	U	ug/kg	6
Bromodichloromethane	770	U	ug/kg	770	6	U	ug/kg	6
1,2-Dichloropropane	770	U	ug/kg	770	6	U	ug/kg	6
cis-1,3-Dichloropropene	770	U	ug/kg	770	6	U	ug/kg	6
Trichloroethene	770	U	ug/kg	770	6	U	ug/kg	6
Dibromochloromethane	770	U	ug/kg	770	6	U	ug/kg	6
1,1,2-Trichloroethane	770	U	ug/kg	770	6	U	ug/kg	6
Benzene	770	U	ug/kg	770	6	U	ug/kg	6
trans-1,3-Dichloropropene	770	U	ug/kg	770	6	U	ug/kg	6
Bromoform	770	U	ug/kg	770	6	U	ug/kg	6
4-Methyl-2-pentanone	1500	U	ug/kg	1500	12	U	ug/kg	12
2-Hexanone	1500	U	ug/kg	1500	12	U	ug/kg	12
Tetrachloroethene	770	U	ug/kg	770	6	U	ug/kg	6
Toluene	770	U	ug/kg	770	4	J	ug/kg	12
1,1,2,2-Tetrachloroethane	770	U	ug/kg	770	6	U	ug/kg	6
Chlorobenzene	770	U	ug/kg	770	6	U	ug/kg	6
Ethylbenzene	770	U	ug/kg	770	6	U	ug/kg	6
Styrene	770	U	ug/kg	770	6	U	ug/kg	6
Xylenes (total)	770	U	ug/kg	770	11		ug/kg	12

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S0				CF5BR9S0D				CF5BR9S0DD				CF5BR9S0DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0D				CF5BR9S0DDL				CF5BR9S0DL			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	22	J	ug/kg	380	140	J	ug/kg	380	150	J	ug/kg	1900	750	UJ	ug/kg	750
bis(2-Chloroethyl) ether	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2-Chlorophenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
1,3-Dichlorobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
1,4-Dichlorobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
1,2-Dichlorobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2-Methylphenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,2-oxybis(1-Chloropropane)	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
4-Methylphenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
N-Nitroso-di-n-propylamine	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Hexachloroethane	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Nitrobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Isophorone	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2-Nitrophenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,4-Dimethylphenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
bis(2-Chloroethoxy) methane	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,4-Dichlorophenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
1,2,4-Trichlorobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Naphthalene	86	J	ug/kg	380	49	J	ug/kg	380	1900	UJ	ug/kg	1900	80	J	ug/kg	750
4-Chloroaniline	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Hexachlorobutadiene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
4-Chloro-3-methylphenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2-Methylnaphthalene	41	J	ug/kg	380	28	J	ug/kg	380	1900	UJ	ug/kg	1900	38	J	ug/kg	750
Hexachlorocyclopentadiene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,4,6-Trichlorophenol	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,4,5-Trichlorophenol	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
2-Chloronaphthalene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2-Nitroaniline	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
Dimethylphthalate	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Acenaphthylene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
2,6-Dinitrotoluene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
3-Nitroaniline	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
Acenaphthene	320	J	ug/kg	380	250	J	ug/kg	380	250	J	ug/kg	1900	300	J	ug/kg	750
2,4-Dinitrophenol	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
4-Nitrophenol	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
Dibenzofuran	170	J	ug/kg	380	120	J	ug/kg	380	110	J	ug/kg	1900	160	J	ug/kg	750
2,4-Dinitrotoluene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Diethylphthalate	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
4-Chlorophenyl-phenylether	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Fluorene	340	J	ug/kg	380	240	J	ug/kg	380	240	J	ug/kg	1900	340	J	ug/kg	750
4-Nitroaniline	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
4,6-Dinitro-2-methylphenol	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
N-Nitrosodiphenylamine (1)	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
4-Bromophenyl-phenylether	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Hexachlorobenzene	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Pentachlorophenol	910	UJ	ug/kg	910	930	UJ	ug/kg	930	4600	UJ	ug/kg	4600	1800	UJ	ug/kg	1800
Phenanthrene	2500	J	ug/kg	380	2000	J	ug/kg	380	1700	J	ug/kg	1900	3200	J	ug/kg	750
Anthracene	650	J	ug/kg	380	540	J	ug/kg	380	460	J	ug/kg	1900	770	J	ug/kg	750
Carbazole	530	J	ug/kg	380	280	J	ug/kg	380	280	J	ug/kg	1900	500	J	ug/kg	750
Di-n-butylphthalate	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Fluoranthene	3700	J	ug/kg	380	3300	J	ug/kg	380	2500	J	ug/kg	1900	4400	J	ug/kg	750
Pyrene	2200	J	ug/kg	380	1500	J	ug/kg	380	1800	J	ug/kg	1900	2700	J	ug/kg	750
Butylbenzylpht[illegible]e	380	UJ	ug/kg	380	380	UJ	[illegible]	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S0				CF5BR9S0D				CF5BR9S0DD				CF5BR9S0DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0D				CF5BR9S0DDL				CF5BR9S0DL			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Benzo (a) anthracene	2000	J	ug/kg	380	1300	J	ug/kg	380	1100	J	ug/kg	1900	1800	J	ug/kg	750
Chrysene	1800	J	ug/kg	380	900	J	ug/kg	380	1200	J	ug/kg	1900	1600	J	ug/kg	750
bis(2-Ethylhexyl) phthalate	110	J	ug/kg	380	140	J	ug/kg	380	140	J	ug/kg	1900	110	J	ug/kg	750
Di-n-octylphthalate	380	UJ	ug/kg	380	380	UJ	ug/kg	380	1900	UJ	ug/kg	1900	750	UJ	ug/kg	750
Benzo (b) fluoranthene	2200	J	ug/kg	380	1600	J	ug/kg	380	1300	J	ug/kg	1900	2200	J	ug/kg	750
Benzo (k) fluoranthene	690	J	ug/kg	380	330	J	ug/kg	380	590	J	ug/kg	1900	750	J	ug/kg	750
Benzo (a) pyrene	1400	J	ug/kg	380	770	J	ug/kg	380	880	J	ug/kg	1900	1500	J	ug/kg	750
Indeno (1,2,3-cd) pyrene	620	J	ug/kg	380	340	J	ug/kg	380	390	J	ug/kg	1900	820	J	ug/kg	750
Dibenz (a,h) anthracene	160	J	ug/kg	380	80	J	ug/kg	380	99	J	ug/kg	1900	220	J	ug/kg	750
Benzo (g,h,i) perylene	540	J	ug/kg	380	210	J	ug/kg	380	330	J	ug/kg	1900	690	J	ug/kg	750

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S4				CF5BR9S4D				CF5BR10S0				CF5BR10S0D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S4				CF5BR9S4D				CF5BR10S0				CF5BR10S0D			
Collect Date:	12-OCT-93				12-OCT-93				30-SEP-93				30-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
bis(2-Chloroethyl) ether	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2-Chlorophenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
1,3-Dichlorobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
1,4-Dichlorobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
1,2-Dichlorobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2-Methylphenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,2-oxybis(1-Chloropropane)	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
4-Methylphenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
N-Nitroso-di-n-propylamine	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Hexachloroethane	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Nitrobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Isophorone	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2-Nitrophenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,4-Dimethylphenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
bis(2-Chloroethoxy) methane	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,4-Dichlorophenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
1,2,4-Trichlorobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Naphthalene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	13000	J	ug/kg	7500	9600	J	ug/kg	7600
4-Chloroaniline	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Hexachlorobutadiene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
4-Chloro-3-methylphenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2-Methylnaphthalene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	16000	J	ug/kg	7500	14000	J	ug/kg	7600
Hexachlorocyclopentadiene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,4,6-Trichlorophenol	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,4,5-Trichlorophenol	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
2-Chloronaphthalene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2-Nitroaniline	980	UJ	ug/kg	980	980	UJ	ug/kg	980	7500	UJ	ug/kg	7500	18000	UJ	ug/kg	18000
Dimethylphthalate	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Acenaphthylene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
2,6-Dinitrotoluene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
3-Nitroaniline	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
Acenaphthene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	1000	J	ug/kg	7500	7600	UJ	ug/kg	7600
2,4-Dinitrophenol	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
4-Nitrophenol	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
Dibenzofuran	400	UJ	ug/kg	400	400	UJ	ug/kg	400	1300	J	ug/kg	7500	7600	UJ	ug/kg	7600
2,4-Dinitrotoluene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Diethylphthalate	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
4-Chlorophenyl-phenylether	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Fluorene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	940	J	ug/kg	7500	7600	UJ	ug/kg	7600
4-Nitroaniline	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
4,6-Dinitro-2-methylphenol	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
N-Nitrosodiphenylamine (1)	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
4-Bromophenyl-phenylether	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Hexachlorobenzene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Pentachlorophenol	980	UJ	ug/kg	980	980	UJ	ug/kg	980	18000	UJ	ug/kg	18000	18000	UJ	ug/kg	18000
Phenanthrene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Anthracene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Carbazole	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Di-n-butylphthalate	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Fluoranthene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Pyrene	400	UJ	ug/kg	400	400	UJ	kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S4				CF5BR9S4D				CF5BR10S0				CF5BR10S0D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S4				CF5BR9S4D				CF5BR10S0				CF5BR10S0D			
Collect Date:	12-OCT-93				12-OCT-93				30-SEP-93				30-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
3,3-Dichlorobenzidine	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Benzo (a) anthracene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Chrysene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
bis(2-Ethylhexyl) phthalate	99	J	ug/kg	400	73	J	ug/kg	400	520	J	ug/kg	7500	7600	UJ	ug/kg	7600
Di-n-octylphthalate	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Benzo (b) fluoranthene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Benzo (k) fluoranthene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Benzo (a) pyrene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Indeno (1,2,3-cd) pyrene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Dibenz (a,h) anthracene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600
Benzo (g,h,i) perylene	400	UJ	ug/kg	400	400	UJ	ug/kg	400	7500	UJ	ug/kg	7500	7600	UJ	ug/kg	7600

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR10S0R				CF5BR10S4				CF5BR11S0				CF5BR11S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0RE				CF5BR10S4				CF5BR11S0				CF5BR11S0MS			
Collect Date:	30-SEP-93				30-SEP-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1600	J	ug/kg	3600
bis(2-Chloroethyl) ether	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Chlorophenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1600	J	ug/kg	3600
1,3-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
1,4-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	920	J	ug/kg	3600
1,2-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Methylphenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,2-oxybis(1-Chloropropane)	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Methylphenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
N-Nitroso-di-n-propylamine	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1200	J	ug/kg	3600
Hexachloroethane	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Nitrobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Isophorone	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Nitrophenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,4-Dimethylphenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
bis(2-Chloroethoxy) methane	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,4-Dichlorophenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
1,2,4-Trichlorobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1200	J	ug/kg	3600
Naphthalene	11000	J	ug/kg	7600	5400	J	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Chloroaniline	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Hexachlorobutadiene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Chloro-3-methylphenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	3600	UJ	ug/kg	3600	610	J	ug/kg	3600
2-Methylnaphthalene	13000	J	ug/kg	7600	13000		ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Hexachlorocyclopentadiene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,4,6-Trichlorophenol	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,4,5-Trichlorophenol	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
2-Chloronaphthalene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Nitroaniline	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
Dimethylphthalate	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Acenaphthylene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,6-Dinitrotoluene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
3-Nitroaniline	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
Acenaphthene	1100	J	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1300	J	ug/kg	3600
2,4-Dinitrophenol	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
4-Nitrophenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	8700	UJ	ug/kg	8700	8700	U	ug/kg	8700
Dibenzofuran	1400	J	ug/kg	7600	480	J	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,4-Dinitrotoluene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	1100	J	ug/kg	3600
Diethylphthalate	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Chlorophenyl-phenylether	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Fluorene	880	J	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Nitroaniline	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
4,6-Dinitro-2-methylphenol	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	8700	U	ug/kg	8700
N-Nitrosodiphenylamine (1)	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4-Bromophenyl-phenylether	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Hexachlorobenzene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Pentachlorophenol	18000	UJ	ug/kg	18000	20000	U	ug/kg	20000	8700	U	ug/kg	8700	2000	J	ug/kg	8700
Phenanthrene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Anthracene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Carbazole	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Di-n-butylphthalate	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	590	J	ug/kg	3600
Fluoranthene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Pyrene	7600	UJ	ug/kg	7600	8100	U	[illegible]g	8100	3600	U	ug/kg	3600	1500	J	ug/kg	[illegible]00

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR10S0R				CF5BR10S4				CF5BR11S0				CF5BR11S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0RE				CF5BR10S4				CF5BR11S0				CF5BR11S0MS			
Collect Date:	30-SEP-93				30-SEP-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
3,3-Dichlorobenzidine	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Benzo (a) anthracene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Chrysene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
bis(2-Ethylhexyl) phthalate	450	J	ug/kg	7600	920	J	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Di-n-octylphthalate	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Benzo (b) fluoranthene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Benzo (k) fluoranthene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Benzo (a) pyrene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Indeno (1,2,3-cd) pyrene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Dibenz (a,h) anthracene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Benzo (g,h,i) perylene	7600	UJ	ug/kg	7600	8100	U	ug/kg	8100	3600	U	ug/kg	3600	3600	U	ug/kg	3600

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR11S0M				CF5BR11S6				CF5BR12S4				CF5BR12S6			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR11S0MSD				CF5BR11S6				CF5BR12S4				CF5BR12S6			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	1300	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
bis(2-Chloroethyl) ether	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2-Chlorophenol	1200	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
1,3-Dichlorobenzene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
1,4-Dichlorobenzene	720	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
1,2-Dichlorobenzene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2-Methylphenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,2-oxybis(1-Chloropropane)	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
4-Methylphenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
N-Nitroso-di-n-propylamine	970	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Hexachloroethane	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Nitrobenzene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Isophorone	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2-Nitrophenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,4-Dimethylphenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
bis(2-Chloroethoxy) methane	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,4-Dichlorophenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
1,2,4-Trichlorobenzene	870	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Naphthalene	3600	U	ug/kg	3600	3200	J	ug/kg	7800	1800	J	ug/kg	8000	21000	J	ug/kg	8000
4-Chloroaniline	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Hexachlorobutadiene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
4-Chloro-3-methylphenol	1500	J	ug/kg	3600	7800	UJ	ug/kg	7800	8000	UJ	ug/kg	8000	8000	UJ	ug/kg	8000
2-Methylnaphthalene	3600	U	ug/kg	3600	10000		ug/kg	7800	5200	J	ug/kg	8000	33000	J	ug/kg	8000
Hexachlorocyclopentadiene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,4,6-Trichlorophenol	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,4,5-Trichlorophenol	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
2-Chloronaphthalene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2-Nitroaniline	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
Dimethylphthalate	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Acenaphthylene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,6-Dinitrotoluene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
3-Nitroaniline	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
Acenaphthene	1000	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
2,4-Dinitrophenol	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
4-Nitrophenol	8700	U	ug/kg	8700	19000	UJ	ug/kg	19000	19000	UJ	ug/kg	19000	19000	UJ	ug/kg	19000
Dibenzofuran	3600	U	ug/kg	3600	430	J	ug/kg	7800	8000	U	ug/kg	8000	2100	J	ug/kg	8000
2,4-Dinitrotoluene	960	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Diethylphthalate	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
4-Chlorophenyl-phenylether	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Fluorene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
4-Nitroaniline	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
4,6-Dinitro-2-methylphenol	8700	U	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
N-Nitrosodiphenylamine (1)	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
4-Bromophenyl-phenylether	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Hexachlorobenzene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Pentachlorophenol	1400	J	ug/kg	8700	19000	U	ug/kg	19000	19000	U	ug/kg	19000	19000	UJ	ug/kg	19000
Phenanthrene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	390	J	ug/kg	8000
Anthracene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Carbazole	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Di-n-butylphthalate	600	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Fluoranthene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Pyrene	1200	J	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR11S0M				CF5BR11S6				CF5BR12S4				CF5BR12S6			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR11S0MSD				CF5BR11S6				CF5BR12S4				CF5BR12S6			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
3,3-Dichlorobenzidine	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Benzo (a) anthracene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Chrysene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
bis(2-Ethylhexyl) phthalate	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Di-n-octylphthalate	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Benzo (b) fluoranthene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Benzo (k) fluoranthene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Benzo (a) pyrene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Indeno (1,2,3-cd) pyrene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Dibenz (a,h) anthracene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000
Benzo (g,h,i) perylene	3600	U	ug/kg	3600	7800	U	ug/kg	7800	8000	U	ug/kg	8000	8000	UJ	ug/kg	8000

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR13S2				CF5BR13S4				CF5BR13S4R				CF5BR14S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR13S2				CF5BR13S4				CF5BR13S4R				CF5BR14S0			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
bis(2-Chloroethyl) ether	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2-Chlorophenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
1,3-Dichlorobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
1,4-Dichlorobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
1,2-Dichlorobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2-Methylphenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,2-oxybis(1-Chloropropane)	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
4-Methylphenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
N-Nitroso-di-n-propylamine	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Hexachloroethane	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Nitrobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Isophorone	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2-Nitrophenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,4-Dimethylphenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
bis(2-Chloroethoxy) methane	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,4-Dichlorophenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
1,2,4-Trichlorobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Naphthalene	990	J	ug/kg	4000	1100	J	ug/kg	4000	10	U	ug/l	10	11000		ug/kg	8400
4-Chloroaniline	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Hexachlorobutadiene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
4-Chloro-3-methylphenol	4000	UJ	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2-Methylnaphthalene	3800	J	ug/kg	4000	4000	J	ug/kg	4000	10	U	ug/l	10	16000		ug/kg	8400
Hexachlorocyclopentadiene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,4,6-Trichlorophenol	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,4,5-Trichlorophenol	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
2-Chloronaphthalene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2-Nitroaniline	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
Dimethylphthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Acenaphthylene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
2,6-Dinitrotoluene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
3-Nitroaniline	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
Acenaphthene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	900	J	ug/kg	8400
2,4-Dinitrophenol	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
4-Nitrophenol	9600	UJ	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
Dibenzofuran	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	1500	J	ug/kg	8400
2,4-Dinitrotoluene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Diethylphthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Fluorene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	990	J	ug/kg	8400
4-Nitroaniline	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
4,6-Dinitro-2-methylphenol	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Hexachlorobenzene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Pentachlorophenol	9600	U	ug/kg	9600	9600	R	ug/kg	9600	25	U	ug/l	25	20000	U	ug/kg	20000
Phenanthrene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Anthracene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Carbazole	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Di-n-butylphthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	1	J	ug/l	10	8400	U	ug/kg	8400
Fluoranthene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Pyrene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR13S2				CF5BR13S4				CF5BR13S4R				CF5BR14S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR13S2				CF5BR13S4				CF5BR13S4R				CF5BR14S0			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
3,3-Dichlorobenzidine	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Benzo (a) anthracene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Chrysene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Di-n-octylphthalate	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Benzo (b) fluoranthene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Benzo (k) fluoranthene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Benzo (a) pyrene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Dibenz (a,h) anthracene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	4000	R	ug/kg	4000	10	U	ug/l	10	8400	U	ug/kg	8400

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR14S2				CF5BR15S0				CF5BR15S2				CF5BR16S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR14S2				CF5BR15S0				CF5BR15S2				CF5BR16S2			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
bis(2-Chloroethyl) ether	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2-Chlorophenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
1,3-Dichlorobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
1,4-Dichlorobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
1,2-Dichlorobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2-Methylphenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,2-oxybis(1-Chloropropane)	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
4-Methylphenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
N-Nitroso-di-n-propylamine	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Hexachloroethane	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Nitrobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Isophorone	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2-Nitrophenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,4-Dimethylphenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
bis(2-Chloroethoxy) methane	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,4-Dichlorophenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
1,2,4-Trichlorobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Naphthalene	1400	J	ug/kg	4000	3800	U	ug/kg	3800	36	J	ug/kg	410	5900	J	ug/kg	7800
4-Chloroaniline	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Hexachlorobutadiene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
4-Chloro-3-methylphenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2-Methylnaphthalene	3400	J	ug/kg	4000	3800	U	ug/kg	3800	48	J	ug/kg	410	11000		ug/kg	7800
Hexachlorocyclopentadiene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,4,6-Trichlorophenol	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,4,5-Trichlorophenol	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
2-Chloronaphthalene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2-Nitroaniline	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
Dimethylphthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Acenaphthylene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,6-Dinitrotoluene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
3-Nitroaniline	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
Acenaphthene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
2,4-Dinitrophenol	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
4-Nitrophenol	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
Dibenzofuran	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	550	J	ug/kg	7800
2,4-Dinitrotoluene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Diethylphthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Fluorene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
4-Nitroaniline	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Hexachlorobenzene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Pentachlorophenol	9600	U	ug/kg	9600	9100	U	ug/kg	9100	1000	U	ug/kg	1000	19000	U	ug/kg	19000
Phenanthrene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Anthracene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Carbazole	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Di-n-butylphthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Fluoranthene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Pyrene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR14S2				CF5BR15S0				CF5BR15S2				CF5BR16S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR14S2				CF5BR15S0				CF5BR15S2				CF5BR16S2			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
3,3-Dichlorobenzidine	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Benzo (a) anthracene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Chrysene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	68	J	ug/kg	410	7800	U	ug/kg	7800
Di-n-octylphthalate	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Benzo (b) fluoranthene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Benzo (k) fluoranthene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Benzo (a) pyrene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Dibenz (a,h) anthracene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	3800	U	ug/kg	3800	410	U	ug/kg	410	7800	U	ug/kg	7800

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR16S4				CF5BR17S4				CF5BR17S4R				CF5BR17S6			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR16S4				CF5BR17S4				CF5BR17S4RE				CF5BR17S6			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	850	J	ug/kg	8000
bis(2-Chloroethyl) ether	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2-Chlorophenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
1,3-Dichlorobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
1,4-Dichlorobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
1,2-Dichlorobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2-Methylphenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,2-oxybis(1-Chloropropane)	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
4-Methylphenol	8200	U	ug/kg	8200	630	R	ug/kg	410	10000	J	ug/kg	8100	11000		ug/kg	8000
N-Nitroso-di-n-propylamine	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Hexachloroethane	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Nitrobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Isophorone	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2-Nitrophenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,4-Dimethylphenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
bis(2-Chloroethoxy) methane	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,4-Dichlorophenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
1,2,4-Trichlorobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Naphthalene	5500	J	ug/kg	8200	880	R	ug/kg	410	16000	J	ug/kg	8100	2600	J	ug/kg	8000
4-Chloroaniline	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Hexachlorobutadiene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
4-Chloro-3-methylphenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2-Methylnaphthalene	11000		ug/kg	8200	1400	R	ug/kg	410	20000	J	ug/kg	8100	6600	J	ug/kg	8000
Hexachlorocyclopentadiene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,4,6-Trichlorophenol	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,4,5-Trichlorophenol	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
2-Chloronaphthalene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2-Nitroaniline	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
Dimethylphthalate	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Acenaphthylene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
2,6-Dinitrotoluene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
3-Nitroaniline	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
Acenaphthene	8200	U	ug/kg	8200	410	R	ug/kg	410	850	J	ug/kg	8100	8000	U	ug/kg	8000
2,4-Dinitrophenol	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
4-Nitrophenol	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
Dibenzofuran	510	J	ug/kg	8200	65	R	ug/kg	410	1100	J	ug/kg	8100	8000	U	ug/kg	8000
2,4-Dinitrotoluene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Diethylphthalate	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
4-Chlorophenyl-phenylether	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Fluorene	8200	U	ug/kg	8200	410	R	ug/kg	410	510	J	ug/kg	8100	8000	U	ug/kg	8000
4-Nitroaniline	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
4-Bromophenyl-phenylether	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Hexachlorobenzene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Pentachlorophenol	20000	U	ug/kg	20000	990	R	ug/kg	990	20000	UJ	ug/kg	20000	19000	U	ug/kg	19000
Phenanthrene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Anthracene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Carbazole	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Di-n-butylphthalate	8200	U	ug/kg	8200	27	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Fluoranthene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Pyrene	8200	U	ug/kg	8200	410	R	[illegible]g	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	[illegible]00

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR16S4				CF5BR17S4				CF5BR17S4R				CF5BR17S6			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR16S4				CF5BR17S4				CF5BR17S4RE				CF5BR17S6			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
3,3-Dichlorobenzidine	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Benzo (a) anthracene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Chrysene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
bis(2-Ethylhexyl) phthalate	8200	U	ug/kg	8200	39	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Di-n-octylphthalate	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Benzo (b) fluoranthene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Benzo (k) fluoranthene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Benzo (a) pyrene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Indeno (1,2,3-cd) pyrene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Dibenz (a,h) anthracene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000
Benzo (g,h,i) perylene	8200	U	ug/kg	8200	410	R	ug/kg	410	8100	UJ	ug/kg	8100	8000	U	ug/kg	8000

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Collect Date:	30-SEP-93				30-SEP-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	1400	J	ug/kg	390
bis(2-Chloroethyl) ether	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2-Chlorophenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	1400	J	ug/kg	390
1,3-Dichlorobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
1,4-Dichlorobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	860	J	ug/kg	390
1,2-Dichlorobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2-Methylphenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,2-oxybis(1-Chloropropane)	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Methylphenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
N-Nitroso-di-n-propylamine	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	840	J	ug/kg	390
Hexachloroethane	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Nitrobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Isophorone	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2-Nitrophenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,4-Dimethylphenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
bis(2-Chloroethoxy) methane	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,4-Dichlorophenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
1,2,4-Trichlorobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	940	J	ug/kg	390
Naphthalene	7300	J	ug/kg	7800	13000		ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Chloroaniline	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Hexachlorobutadiene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Chloro-3-methylphenol	7800	UJ	ug/kg	7800	8200	UJ	ug/kg	8200	390	UJ	ug/kg	390	1400	J	ug/kg	390
2-Methylnaphthalene	17000	J	ug/kg	7800	30000		ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Hexachlorocyclopentadiene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,4,6-Trichlorophenol	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,4,5-Trichlorophenol	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
2-Chloronaphthalene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2-Nitroaniline	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
Dimethylphthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Acenaphthylene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,6-Dinitrotoluene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
3-Nitroaniline	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
Acenaphthene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	1000	J	ug/kg	390
2,4-Dinitrophenol	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
4-Nitrophenol	19000	U	ug/kg	19000	20000	UJ	ug/kg	20000	950	UJ	ug/kg	950	410	J	ug/kg	950
Dibenzofuran	730	J	ug/kg	7800	1200	J	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
2,4-Dinitrotoluene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	870	J	ug/kg	390
Diethylphthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Chlorophenyl-phenylether	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Fluorene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Nitroaniline	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
4,6-Dinitro-2-methylphenol	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	950	UJ	ug/kg	950
N-Nitrosodiphenylamine (1)	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
4-Bromophenyl-phenylether	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Hexachlorobenzene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Pentachlorophenol	19000	UJ	ug/kg	19000	20000	U	ug/kg	20000	950	UJ	ug/kg	950	700	J	ug/kg	950
Phenanthrene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Anthracene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Carbazole	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Di-n-butylphthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Fluoranthene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Pyrene	7800	UJ	ug/kg	7800	8200	U	[illegible]g	8200	390	UJ	ug/kg	390	1100	J	ug/kg	390

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Collect Date:	30-SEP-93				30-SEP-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
3,3-Dichlorobenzidine	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Benzo (a) anthracene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Chrysene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
bis(2-Ethylhexyl) phthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	23	J	ug/kg	390	28	J	ug/kg	390
Di-n-octylphthalate	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Benzo (b) fluoranthene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Benzo (k) fluoranthene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Benzo (a) pyrene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Indeno (1,2,3-cd) pyrene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Dibenz (a,h) anthracene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Benzo (g,h,i) perylene	7800	UJ	ug/kg	7800	8200	U	ug/kg	8200	390	UJ	ug/kg	390	390	UJ	ug/kg	390

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS8S0MS				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS8S0MSD				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Collect Date:	12-OCT-93				12-OCT-93				11-OCT-93				11-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	1400	J	ug/kg	390	400	UJ	ug/kg	400	24	J	ug/kg	380	380	UJ	ug/kg	380
bis(2-Chloroethyl) ether	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2-Chlorophenol	1300	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
1,3-Dichlorobenzene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
1,4-Dichlorobenzene	870	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
1,2-Dichlorobenzene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2-Methylphenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,2-oxybis(1-Chloropropane)	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Methylphenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
N-Nitroso-di-n-propylamine	940	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Hexachloroethane	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Nitrobenzene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Isophorone	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2-Nitrophenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4-Dimethylphenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
bis(2-Chloroethoxy) methane	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4-Dichlorophenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
1,2,4-Trichlorobenzene	990	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Naphthalene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Chloroaniline	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Hexachlorobutadiene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Chloro-3-methylphenol	1500	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2-Methylnaphthalene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Hexachlorocyclopentadiene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4,6-Trichlorophenol	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4,5-Trichlorophenol	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
2-Chloronaphthalene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2-Nitroaniline	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
Dimethylphthalate	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Acenaphthylene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,6-Dinitrotoluene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
3-Nitroaniline	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
Acenaphthene	1000	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4-Dinitrophenol	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
4-Nitrophenol	360	J	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
Dibenzofuran	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
2,4-Dinitrotoluene	870	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Diethylphthalate	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Chlorophenyl-phenylether	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Fluorene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Nitroaniline	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
4,6-Dinitro-2-methylphenol	950	UJ	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
N-Nitrosodiphenylamine (1)	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
4-Bromophenyl-phenylether	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Hexachlorobenzene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Pentachlorophenol	890	J	ug/kg	950	960	UJ	ug/kg	960	930	UJ	ug/kg	930	920	UJ	ug/kg	920
Phenanthrene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Anthracene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Carbazole	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Di-n-butylphthalate	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Fluoranthene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Pyrene	880	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS8S0MS				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS8S0MSD				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Collect Date:	12-OCT-93				12-OCT-93				11-OCT-93				11-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
3,3-Dichlorobenzidine	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Benzo (a) anthracene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Chrysene	22	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
bis(2-Ethylhexyl) phthalate	31	J	ug/kg	390	110	J	ug/kg	400	30	J	ug/kg	380	40	J	ug/kg	380
Di-n-octylphthalate	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Benzo (b) fluoranthene	40	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Benzo (k) fluoranthene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Benzo (a) pyrene	21	J	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Indeno (1,2,3-cd) pyrene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Dibenz (a,h) anthracene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380
Benzo (g,h,i) perylene	390	UJ	ug/kg	390	400	UJ	ug/kg	400	380	UJ	ug/kg	380	380	UJ	ug/kg	380

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Collect Date:	11-OCT-93				05-OCT-93				05-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
bis(2-Chloroethyl) ether	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2-Chlorophenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
1,3-Dichlorobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
1,4-Dichlorobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
1,2-Dichlorobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2-Methylphenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Methylphenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
N-Nitroso-di-n-propylamine	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Hexachloroethane	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Nitrobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Isophorone	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2-Nitrophenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dimethylphenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
bis(2-Chloroethoxy) methane	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dichlorophenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
1,2,4-Trichlorobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Naphthalene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Chloroaniline	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorobutadiene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Chloro-3-methylphenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2-Methylnaphthalene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorocyclopentadiene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4,6-Trichlorophenol	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4,5-Trichlorophenol	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
2-Chloronaphthalene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2-Nitroaniline	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
Dimethylphthalate	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Acenaphthylene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,6-Dinitrotoluene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
3-Nitroaniline	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
Acenaphthene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dinitrophenol	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
4-Nitrophenol	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
Dibenzofuran	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
2,4-Dinitrotoluene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Diethylphthalate	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Chlorophenyl-phenylether	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Fluorene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Nitroaniline	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
4-Bromophenyl-phenylether	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Hexachlorobenzene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Pentachlorophenol	960	UJ	ug/kg	960	900	U	ug/kg	900	920	U	ug/kg	920	25	U	ug/l	25
Phenanthrene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Anthracene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Carbazole	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Di-n-butylphthalate	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Fluoranthene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Pyrene	400	UJ	ug/kg	400	370	U	g	370	380	U	ug/kg	380	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Collect Date:	11-OCT-93				05-OCT-93				05-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
3,3-Dichlorobenzidine	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Benzo (a) anthracene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Chrysene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	99	J	ug/kg	400	82	J	ug/kg	370	130	J	ug/kg	380	10	U	ug/l	10
Di-n-octylphthalate	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Benzo (b) fluoranthene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Benzo (k) fluoranthene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Benzo (a) pyrene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Dibenz (a,h) anthracene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10
Benzo (g,h,i) perylene	400	UJ	ug/kg	400	370	U	ug/kg	370	380	U	ug/kg	380	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10R			
Collect Date:	04-OCT-93				04-OCT-93				21-SEP-93				21-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Chloroethyl) ether	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2-Chlorophenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
1,3-Dichlorobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
1,4-Dichlorobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
1,2-Dichlorobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2-Methylphenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Methylphenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
N-Nitroso-di-n-propylamine	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Hexachloroethane	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Nitrobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Isophorone	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2-Nitrophenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dimethylphenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Chloroethoxy) methane	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dichlorophenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
1,2,4-Trichlorobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Naphthalene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Chloroaniline	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorobutadiene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Chloro-3-methylphenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2-Methylnaphthalene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorocyclopentadiene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4,6-Trichlorophenol	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4,5-Trichlorophenol	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
2-Chloronaphthalene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2-Nitroaniline	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
Dimethylphthalate	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Acenaphthylene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,6-Dinitrotoluene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
3-Nitroaniline	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
Acenaphthene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dinitrophenol	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
4-Nitrophenol	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
Dibenzofuran	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dinitrotoluene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Diethylphthalate	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Chlorophenyl-phenylether	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Fluorene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Nitroaniline	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
4-Bromophenyl-phenylether	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorobenzene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Pentachlorophenol	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000	25	U	ug/l	25
Phenanthrene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Anthracene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Carbazole	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Di-n-butylphthalate	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Fluoranthene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Pyrene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10R			
Collect Date:	04-OCT-93				04-OCT-93				21-SEP-93				21-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
3,3-Dichlorobenzidine	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Benzo (a) anthracene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Chrysene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	30	J	ug/kg	470	110	J	ug/kg	430	85	J	ug/kg	420	10	U	ug/l	10
Di-n-octylphthalate	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Benzo (b) fluoranthene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Benzo (k) fluoranthene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Benzo (a) pyrene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Dibenz (a,h) anthracene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10
Benzo (g,h,i) perylene	470	U	ug/kg	470	430	U	ug/kg	430	420	U	ug/kg	420	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Collect Date:	21-SEP-93				27-SEP-93				27-SEP-93				22-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
bis(2-Chloroethyl) ether	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2-Chlorophenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
1,3-Dichlorobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
1,4-Dichlorobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
1,2-Dichlorobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2-Methylphenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Methylphenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Hexachloroethane	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Nitrobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Isophorone	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2-Nitrophenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4-Dimethylphenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4-Dichlorophenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
1,2,4-Trichlorobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Naphthalene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Chloroaniline	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Hexachlorobutadiene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Chloro-3-methylphenol	500	U	ug/kg	500	380	UJ	ug/kg	380	410	UJ	ug/kg	410	390	U	ug/kg	390
2-Methylnaphthalene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Hexachlorocyclopentadiene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4,6-Trichlorophenol	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4,5-Trichlorophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
2-Chloronaphthalene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2-Nitroaniline	1200	U	ug/kg	1200	380	U	ug/kg	380	990	U	ug/kg	990	950	U	ug/kg	950
Dimethylphthalate	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Acenaphthylene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,6-Dinitrotoluene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
3-Nitroaniline	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
Acenaphthene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4-Dinitrophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
4-Nitrophenol	1200	U	ug/kg	1200	930	UJ	ug/kg	930	990	UJ	ug/kg	990	950	U	ug/kg	950
Dibenzofuran	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
2,4-Dinitrotoluene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Diethylphthalate	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Chlorophenyl-phenylether	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Fluorene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Nitroaniline	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
4,6-Dinitro-2-methylphenol	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
N-Nitrosodiphenylamine (1)	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
4-Bromophenyl-phenylether	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Hexachlorobenzene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Pentachlorophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	990	U	ug/kg	990	950	U	ug/kg	950
Phenanthrene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Anthracene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Carbazole	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Di-n-butylphthalate	410	J	ug/kg	500	380	U	ug/kg	380	430	U	ug/kg	430	390	U	ug/kg	390
Fluoranthene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Pyrene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Collect Date:	21-SEP-93				27-SEP-93				27-SEP-93				22-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
3,3-Dichlorobenzidine	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Benzo (a) anthracene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Chrysene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	1600		ug/kg	500	24	J	ug/kg	380	27	J	ug/kg	410	62	J	ug/kg	390
Di-n-octylphthalate	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Benzo (b) fluoranthene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	21	J	ug/kg	390
Benzo (k) fluoranthene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Benzo (a) pyrene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Dibenz (a,h) anthracene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390
Benzo (g,h,i) perylene	500	U	ug/kg	500	380	U	ug/kg	380	410	U	ug/kg	410	390	U	ug/kg	390

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Collect Date:	22-SEP-93				20-SEP-93				20-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
bis(2-Chloroethyl) ether	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2-Chlorophenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
1,3-Dichlorobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
1,4-Dichlorobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
1,2-Dichlorobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2-Methylphenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,2-oxybis(1-Chloropropane)	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
4-Methylphenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
N-Nitroso-di-n-propylamine	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Hexachloroethane	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Nitrobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Isophorone	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2-Nitrophenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,4-Dimethylphenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
bis(2-Chloroethoxy) methane	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,4-Dichlorophenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
1,2,4-Trichlorobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Naphthalene	410	U	ug/kg	410	3900	J	ug/kg	8100	210	J	ug/kg	410
4-Chloroaniline	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Hexachlorobutadiene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
4-Chloro-3-methylphenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2-Methylnaphthalene	410	U	ug/kg	410	12000		ug/kg	8100	590		ug/kg	410
Hexachlorocyclopentadiene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,4,6-Trichlorophenol	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
2-Chloronaphthalene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
Dimethylphthalate	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Acenaphthylene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,6-Dinitrotoluene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
3-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
Acenaphthene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
2,4-Dinitrophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
4-Nitrophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
Dibenzofuran	410	U	ug/kg	410	8100	U	ug/kg	8100	26	J	ug/kg	410
2,4-Dinitrotoluene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Diethylphthalate	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
4-Chlorophenyl-phenylether	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Fluorene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
4-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
N-Nitrosodiphenylamine (1)	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
4-Bromophenyl-phenylether	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Hexachlorobenzene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Pentachlorophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	990	U	ug/kg	990
Phenanthrene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Anthracene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Carbazole	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Di-n-butylphthalate	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Fluoranthene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Pyrene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Collect Date:	22-SEP-93				20-SEP-93				20-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
3,3-Dichlorobenzidine	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Benzo (a) anthracene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Chrysene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
bis(2-Ethylhexyl) phthalate	110	J	ug/kg	410	8100	U	ug/kg	8100	110	J	ug/kg	410
Di-n-octylphthalate	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Benzo (b) fluoranthene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Benzo (k) fluoranthene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Benzo (a) pyrene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Indeno (1,2,3-cd) pyrene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Dibenz (a,h) anthracene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410
Benzo (g,h,i) perylene	410	U	ug/kg	410	8100	U	ug/kg	8100	410	U	ug/kg	410

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
beta-BHC	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	.57	R	ug/kg	2
delta-BHC	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-BHC (Lindane)	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
Heptachlor	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
Aldrin	1.9	R	ug/kg	2	1.9	R	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Heptachlor epoxide	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
Endosulfan I	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	2	UJ	ug/kg	2
Dieldrin	3.8	UJ	ug/kg	3.8	.67	J	ug/kg	4	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
4,4-DDE	1.4	J	ug/kg	4	.8	U	ug/kg	.8	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
Endrin	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
Endosulfan II	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
4,4-DDD	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
Endosulfan sulfate	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
4,4-DDT	3.8	UJ	ug/kg	3.8	4.5		ug/kg	4	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
Methoxychlor	19	UJ	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	20	UJ	ug/kg	20
Endrin ketone	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
Endrin aldehyde	3.8	UJ	ug/kg	3.8	3.9	U	ug/kg	3.9	4.1	U	ug/kg	4.1	4.1	UJ	ug/kg	4.1
alpha-Chlordane	.45	J	ug/kg	2	.57	J	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-Chlordane	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	2	U	ug/kg	2	.2	UJ	ug/kg	.2
Toxaphene	190	UJ	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	200	UJ	ug/kg	200
Aroclor-1016	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41
Aroclor-1221	76	UJ	ug/kg	76	77	U	ug/kg	77	81	U	ug/kg	81	81	UJ	ug/kg	81
Aroclor-1232	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41
Aroclor-1242	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41
Aroclor-1248	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41
Aroclor-1254	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41
Aroclor-1260	38	UJ	ug/kg	38	39	U	ug/kg	39	41	U	ug/kg	41	41	UJ	ug/kg	41

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Collect Date:	30-SEP-93				30-SEP-93				30-SEP-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
beta-BHC	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
delta-BHC	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
gamma-BHC (Lindane)	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
Heptachlor	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
Aldrin	2	U	ug/kg	2	2	U	ug/kg	2	10	U	ug/kg	10	10	U	ug/kg	10
Heptachlor epoxide	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
Endosulfan I	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
Dieldrin	2	U	ug/kg	2	.9	U	ug/kg	.9	20	U	ug/kg	20	18	U	ug/kg	18
4,4-DDE	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
Endrin	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
Endosulfan II	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
4,4-DDD	20	U	ug/kg	20	10	U	ug/kg	10	20	U	ug/kg	20	18	U	ug/kg	18
Endosulfan sulfate	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
4,4-DDT	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
Methoxychlor	96	U	ug/kg	96	98	U	ug/kg	98	100	U	ug/kg	100	92	U	ug/kg	92
Endrin ketone	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
Endrin aldehyde	19	U	ug/kg	19	19	U	ug/kg	19	20	U	ug/kg	20	18	U	ug/kg	18
alpha-Chlordane	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
gamma-Chlordane	9.6	U	ug/kg	9.6	9.8	U	ug/kg	9.8	10	U	ug/kg	10	9.2	U	ug/kg	9.2
Toxaphene	960	U	ug/kg	960	980	U	ug/kg	980	1000	U	ug/kg	1000	920	U	ug/kg	920
Aroclor-1016	190	U	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	180	U	ug/kg	180
Aroclor-1221	380	U	ug/kg	380	380	U	ug/kg	380	410	U	ug/kg	410	360	U	ug/kg	360
Aroclor-1232	190	U	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	180	U	ug/kg	180
Aroclor-1242	190	U	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	180	U	ug/kg	180
Aroclor-1248	190	U	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	180	U	ug/kg	180
Aroclor-1254	190	U	ug/kg	190	190	U	ug/kg	190	200	U	ug/kg	200	180	U	ug/kg	180
Aroclor-1260	780		ug/kg	190	700		ug/kg	190	210		ug/kg	200	100	J	ug/kg	180

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR11S0M				CF5BR11S0M				CF5BR11S6				CF5BR12S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR11S0MS				CF5BR11S0MSD				CF5BR11S6				CF5BR12S4			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
beta-BHC	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
delta-BHC	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
gamma-BHC (Lindane)	14		ug/kg	9	12		ug/kg	9	4	U	ug/kg	4	10	U	ug/kg	10
Heptachlor	17		ug/kg	9	15		ug/kg	9	4	U	ug/kg	4	10	U	ug/kg	10
Aldrin	13		ug/kg	9	12		ug/kg	9	4	U	ug/kg	4	3	U	ug/kg	3
Heptachlor epoxide	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
Endosulfan I	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
Dieldrin	23		ug/kg	18	20		ug/kg	18	7.8	U	ug/kg	7.8	2	U	ug/kg	2
4,4-DDE	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
Endrin	36		ug/kg	18	33		ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
Endosulfan II	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
4,4-DDD	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	4	U	ug/kg	4
Endosulfan sulfate	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
4,4-DDT	14	J	ug/kg	18	19		ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
Methoxychlor	92	U	ug/kg	92	92	U	ug/kg	92	40	U	ug/kg	40	100	U	ug/kg	100
Endrin ketone	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
Endrin aldehyde	18	U	ug/kg	18	18	U	ug/kg	18	7.8	U	ug/kg	7.8	20	U	ug/kg	20
alpha-Chlordane	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
gamma-Chlordane	9.2	U	ug/kg	9.2	9.2	U	ug/kg	9.2	4	U	ug/kg	4	10	U	ug/kg	10
Toxaphene	920	U	ug/kg	920	920	U	ug/kg	920	400	U	ug/kg	400	1000	U	ug/kg	1000
Aroclor-1016	180	U	ug/kg	180	180	U	ug/kg	180	78	U	ug/kg	78	200	U	ug/kg	200
Aroclor-1221	360	U	ug/kg	360	360	U	ug/kg	360	160	U	ug/kg	160	400	U	ug/kg	400
Aroclor-1232	180	U	ug/kg	180	180	U	ug/kg	180	78	U	ug/kg	78	200	U	ug/kg	200
Aroclor-1242	180	U	ug/kg	180	180	U	ug/kg	180	78	U	ug/kg	78	200	U	ug/kg	200
Aroclor-1248	180	U	ug/kg	180	180	U	ug/kg	180	78	U	ug/kg	78	200	U	ug/kg	200
Aroclor-1254	180	U	ug/kg	180	180	U	ug/kg	180	78	U	ug/kg	78	200	U	ug/kg	200
Aroclor-1260	120	J	ug/kg	180	100	J	ug/kg	180	91		ug/kg	78	750		ug/kg	200

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR12S6				CF5BR13S2				CF5BR13S4				CF5BR13S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR12S6				CF5BR13S2				CF5BR13S4				CF5BR13S4R			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
beta-BHC	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
delta-BHC	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
gamma-BHC (Lindane)	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
Heptachlor	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
Aldrin	10	U	ug/kg	10	3	U	ug/kg	3	3	U	ug/kg	3	.05	U	ug/l	.05
Heptachlor epoxide	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
Endosulfan I	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
Dieldrin	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
4,4-DDE	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
Endrin	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
Endosulfan II	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
4,4-DDD	4	U	ug/kg	4	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
Endosulfan sulfate	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
4,4-DDT	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
Methoxychlor	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100	.5	U	ug/l	.5
Endrin ketone	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
Endrin aldehyde	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	.1	U	ug/l	.1
alpha-Chlordane	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.008	J	ug/l	.05
gamma-Chlordane	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	.05	U	ug/l	.05
Toxaphene	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	5	U	ug/l	5
Aroclor-1016	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	1	U	ug/l	1
Aroclor-1221	400	U	ug/kg	400	400	U	ug/kg	400	400	U	ug/kg	400	2	U	ug/l	2
Aroclor-1232	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	1	U	ug/l	1
Aroclor-1242	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	1	U	ug/l	1
Aroclor-1248	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	1	U	ug/l	1
Aroclor-1254	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	1	U	ug/l	1
Aroclor-1260	690		ug/kg	200	320		ug/kg	200	280		ug/kg	200	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR14S0				CF5BR14S2				CF5BR15S0				CF5BR15S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR14S0				CF5BR14S2				CF5BR15S0				CF5BR15S2			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
beta-BHC	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
delta-BHC	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
gamma-BHC (Lindane)	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Heptachlor	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Aldrin	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Heptachlor epoxide	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Endosulfan I	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Dieldrin	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
4,4-DDE	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
Endrin	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
Endosulfan II	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
4,4-DDD	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Endosulfan sulfate	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
4,4-DDT	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
Methoxychlor	110	U	ug/kg	110	20	UJ	ug/kg	20	96	UJ	ug/kg	96	21	UJ	ug/kg	21
Endrin ketone	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
Endrin aldehyde	21	U	ug/kg	21	4	UJ	ug/kg	4	19	U	ug/kg	19	4.1	UJ	ug/kg	4.1
alpha-Chlordane	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
gamma-Chlordane	11	U	ug/kg	11	2	UJ	ug/kg	2	9.6	U	ug/kg	9.6	2.1	UJ	ug/kg	2.1
Toxaphene	1100	U	ug/kg	1100	200	UJ	ug/kg	200	960	U	ug/kg	960	210	UJ	ug/kg	210
Aroclor-1016	210	U	ug/kg	210	40	UJ	ug/kg	40	190	U	ug/kg	190	41	UJ	ug/kg	41
Aroclor-1221	420	U	ug/kg	420	81	UJ	ug/kg	81	380	U	ug/kg	380	84	UJ	ug/kg	84
Aroclor-1232	210	U	ug/kg	210	40	UJ	ug/kg	40	190	U	ug/kg	190	41	UJ	ug/kg	41
Aroclor-1242	210	U	ug/kg	210	40	UJ	ug/kg	40	190	U	ug/kg	190	41	UJ	ug/kg	41
Aroclor-1248	210	U	ug/kg	210	40	UJ	ug/kg	40	190	U	ug/kg	190	41	UJ	ug/kg	41
Aroclor-1254	210	U	ug/kg	210	40	UJ	ug/kg	40	190	U	ug/kg	190	41	UJ	ug/kg	41
Aroclor-1260	570		ug/kg	210	50	J	ug/kg	40	1000		ug/kg	190	23	J	ug/kg	41

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR16S2				CF5BR16S4				CF5BR17S4				CF5BR17S6			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR16S2				CF5BR16S4				CF5BR17S4				CF5BR17S6			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
beta-BHC	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
delta-BHC	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	.7	UJ	ug/kg	.7
gamma-BHC (Lindane)	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Heptachlor	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Aldrin	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Heptachlor epoxide	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Endosulfan I	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Dieldrin	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
4,4-DDE	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
Endrin	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
Endosulfan II	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
4,4-DDD	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
Endosulfan sulfate	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
4,4-DDT	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	3.9	UJ	ug/kg	3.9
Methoxychlor	100	U	ug/kg	100	110	U	ug/kg	110	100	UJ	ug/kg	100	20	UJ	ug/kg	20
Endrin ketone	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	.3	UJ	ug/kg	.3
Endrin aldehyde	20	U	ug/kg	20	21	U	ug/kg	21	20	UJ	ug/kg	20	2	UJ	ug/kg	2
alpha-Chlordane	10	U	ug/kg	10	11	U	ug/kg	11	2	UJ	ug/kg	2	2	UJ	ug/kg	2
gamma-Chlordane	10	U	ug/kg	10	11	U	ug/kg	11	10	UJ	ug/kg	10	2	UJ	ug/kg	2
Toxaphene	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1000	UJ	ug/kg	1000	200	UJ	ug/kg	200
Aroclor-1016	200	U	ug/kg	200	210	U	ug/kg	210	200	UJ	ug/kg	200	39	UJ	ug/kg	39
Aroclor-1221	400	U	ug/kg	400	420	U	ug/kg	420	410	UJ	ug/kg	410	79	UJ	ug/kg	79
Aroclor-1232	200	U	ug/kg	200	210	U	ug/kg	210	200	UJ	ug/kg	200	39	UJ	ug/kg	39
Aroclor-1242	200	U	ug/kg	200	210	U	ug/kg	210	200	UJ	ug/kg	200	39	UJ	ug/kg	39
Aroclor-1248	200	U	ug/kg	200	210	U	ug/kg	210	200	UJ	ug/kg	200	39	UJ	ug/kg	39
Aroclor-1254	200	U	ug/kg	200	210	U	ug/kg	210	200	UJ	ug/kg	200	39	UJ	ug/kg	39
Aroclor-1260	410		ug/kg	200	300		ug/kg	200	420	J	ug/kg	200	84	J	ug/kg	39

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR18S2				CF5BR18S4				CF5MS8S0				CF5MS8S0MS			
Collect Date:	30-SEP-93				30-SEP-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
beta-BHC	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	13		ug/kg	2
Heptachlor	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	11		ug/kg	2
Aldrin	3	UJ	ug/kg	3	3	UJ	ug/kg	3	2	R	ug/kg	2	13		ug/kg	2
Heptachlor epoxide	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	10	UJ	ug/kg	10	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	26		ug/kg	4
4,4-DDE	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
Endrin	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	28		ug/kg	4
Endosulfan II	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDD	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan sulfate	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDT	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	28		ug/kg	4
Methoxychlor	100	UJ	ug/kg	100	110	UJ	ug/kg	110	20	U	ug/kg	20	56		ug/kg	20
Endrin ketone	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
Endrin aldehyde	20	UJ	ug/kg	20	21	UJ	ug/kg	21	4	U	ug/kg	4	4	U	ug/kg	4
alpha-Chlordane	.7	UJ	ug/kg	.7	11	UJ	ug/kg	11	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	10	UJ	ug/kg	10	11	UJ	ug/kg	11	.13	J	ug/kg	2	.14	J	ug/kg	2
Toxaphene	1000	UJ	ug/kg	1000	1100	UJ	ug/kg	1100	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	200	UJ	ug/kg	200	210	UJ	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1221	400	UJ	ug/kg	400	420	UJ	ug/kg	420	79	U	ug/kg	79	79	U	ug/kg	79
Aroclor-1232	200	UJ	ug/kg	200	210	UJ	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1242	200	UJ	ug/kg	200	210	UJ	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1248	200	UJ	ug/kg	200	210	UJ	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1254	200	UJ	ug/kg	200	210	UJ	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1260	200	J	ug/kg	200	290	J	ug/kg	210	40	U	ug/kg	40	40	U	ug/kg	40

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R - RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MS8S0MS				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS8S0MSD				CF5MS8S2				CF5MS13S0				CF5MS13S0D			
Collect Date:	12-OCT-93				12-OCT-93				11-OCT-93				11-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
beta-BHC	2	U	ug/kg	2	.58	R	ug/kg	2	.96	R	ug/kg	2	1.9	UJ	ug/kg	1.9
delta-BHC	2	U	ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
gamma-BHC (Lindane)	17		ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Heptachlor	16		ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Aldrin	17		ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	1.9	R	ug/kg	2
Heptachlor epoxide	2	U	ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Endosulfan I	2	U	ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
Dieldrin	36		ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
4,4-DDE	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
Endrin	39		ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
Endosulfan II	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
4,4-DDD	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
Endosulfan sulfate	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
4,4-DDT	37		ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
Methoxychlor	3.2	U	ug/kg	3.2	20	UJ	ug/kg	20	1.3	J	ug/kg	20	19	UJ	ug/kg	19
Endrin ketone	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
Endrin aldehyde	4	U	ug/kg	4	4	UJ	ug/kg	4	3.9	UJ	ug/kg	3.9	3.8	UJ	ug/kg	3.8
alpha-Chlordane	2	U	ug/kg	2	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9
gamma-Chlordane	2	U	ug/kg	2	2	UJ	ug/kg	2	.3	UJ	ug/kg	.3	1.9	UJ	ug/kg	1.9
Toxaphene	200	U	ug/kg	200	200	UJ	ug/kg	200	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1016	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38
Aroclor-1221	79	U	ug/kg	79	80	UJ	ug/kg	80	78	UJ	ug/kg	78	76	UJ	ug/kg	76
Aroclor-1232	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38
Aroclor-1242	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38
Aroclor-1248	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38
Aroclor-1254	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38
Aroclor-1260	40	U	ug/kg	40	40	UJ	ug/kg	40	39	UJ	ug/kg	39	38	UJ	ug/kg	38

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Collect Date:	11-OCT-93				05-OCT-93				05-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
beta-BHC	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
delta-BHC	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
gamma-BHC (Lindane)	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
Heptachlor	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
Aldrin	2	R	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
Heptachlor epoxide	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
Endosulfan I	2	UJ	ug/kg	2	1.9	UJ	ug/kg	1.9	2	UJ	ug/kg	2	.05	U	ug/l	.05
Dieldrin	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
4,4-DDE	4	UJ	ug/kg	4	19	J	ug/kg	4	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
Endrin	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
Endosulfan II	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
4,4-DDD	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
Endosulfan sulfate	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
4,4-DDT	4	UJ	ug/kg	4	11	J	ug/kg	4	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
Methoxychlor	20	UJ	ug/kg	20	19	UJ	ug/kg	19	20	UJ	ug/kg	20	.5	U	ug/l	.5
Endrin ketone	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
Endrin aldehyde	4	UJ	ug/kg	4	3.7	UJ	ug/kg	3.7	3.8	UJ	ug/kg	3.8	.1	U	ug/l	.1
alpha-Chlordane	2	UJ	ug/kg	2	1.2	J	ug/kg	2	.4	UJ	ug/kg	.4	.05	U	ug/l	.05
gamma-Chlordane	2	UJ	ug/kg	2	1.7	J	ug/kg	2	.09	UJ	ug/kg	.09	.05	U	ug/l	.05
Toxaphene	200	UJ	ug/kg	200	190	UJ	ug/kg	190	200	UJ	ug/kg	200	5	U	ug/l	5
Aroclor-1016	40	UJ	ug/kg	40	37	UJ	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1
Aroclor-1221	80	UJ	ug/kg	80	75	UJ	ug/kg	75	77	UJ	ug/kg	77	2	U	ug/l	2
Aroclor-1232	40	UJ	ug/kg	40	37	UJ	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1
Aroclor-1242	40	UJ	ug/kg	40	37	UJ	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1
Aroclor-1248	40	UJ	ug/kg	40	37	UJ	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1
Aroclor-1254	40	UJ	ug/kg	40	37	UJ	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1
Aroclor-1260	40	UJ	ug/kg	40	8.1	J	ug/kg	37	38	UJ	ug/kg	38	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10R			
Collect Date:	04-OCT-93				04-OCT-93				21-SEP-93				21-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
beta-BHC	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
delta-BHC	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
gamma-BHC (Lindane)	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Heptachlor	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Aldrin	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Heptachlor epoxide	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Endosulfan I	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Dieldrin	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDE	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
Endrin	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
Endosulfan II	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDD	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
Endosulfan sulfate	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDT	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
Methoxychlor	24	UJ	ug/kg	24	22	UJ	ug/kg	22	1.8	J	ug/kg	22	.5	U	ug/l	.5
Endrin ketone	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
Endrin aldehyde	4.7	UJ	ug/kg	4.7	4.3	UJ	ug/kg	4.3	4.2	U	ug/kg	4.2	.1	U	ug/l	.1
alpha-Chlordane	.4	UJ	ug/kg	.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
gamma-Chlordane	2.4	UJ	ug/kg	2.4	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	.05	U	ug/l	.05
Toxaphene	240	UJ	ug/kg	240	220	UJ	ug/kg	220	220	U	ug/kg	220	5	U	ug/l	5
Aroclor-1016	47	UJ	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1
Aroclor-1221	96	UJ	ug/kg	96	87	UJ	ug/kg	87	86	U	ug/kg	86	2	U	ug/l	2
Aroclor-1232	47	UJ	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1
Aroclor-1242	47	UJ	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1
Aroclor-1248	47	UJ	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1
Aroclor-1254	47	UJ	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1
Aroclor-1260	79	J	ug/kg	47	43	UJ	ug/kg	43	42	U	ug/kg	42	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Collect Date:	21-SEP-93				27-SEP-93				27-SEP-93				22-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
beta-BHC	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
delta-BHC	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-BHC (Lindane)	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Aldrin	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor epoxide	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Endosulfan I	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Dieldrin	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDE	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
Endrin	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
Endosulfan II	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDD	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
Endosulfan sulfate	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDT	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	26	U	ug/kg	26	20	U	ug/kg	20	21	U	ug/kg	21	20	U	ug/kg	20
Endrin ketone	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
Endrin aldehyde	5	U	ug/kg	5	3.8	U	ug/kg	3.8	4	U	ug/kg	4	3.9	U	ug/kg	3.9
alpha-Chlordane	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-Chlordane	2.6	U	ug/kg	2.6	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Toxaphene	260	U	ug/kg	260	200	U	ug/kg	200	210	U	ug/kg	210	200	U	ug/kg	200
Aroclor-1016	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39
Aroclor-1221	100	U	ug/kg	100	78	U	ug/kg	78	82	U	ug/kg	82	79	U	ug/kg	79
Aroclor-1232	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39
Aroclor-1242	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39
Aroclor-1248	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39
Aroclor-1254	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39
Aroclor-1260	50	U	ug/kg	50	38	U	ug/kg	38	40	U	ug/kg	40	39	U	ug/kg	39

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Collect Date:	22-SEP-93				20-SEP-93				20-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
beta-BHC	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
delta-BHC	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Heptachlor	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Aldrin	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Heptachlor epoxide	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Endosulfan I	2.1	U	ug/kg	2.1	.9	U	ug/kg	.9	2.1	U	ug/kg	2.1
Dieldrin	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
4,4-DDE	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
Endrin	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
Endosulfan II	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
4,4-DDD	4.1	U	ug/kg	4.1	3	U	ug/kg	3	4.1	U	ug/kg	4.1
Endosulfan sulfate	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
4,4-DDT	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
Methoxychlor	21	U	ug/kg	21	3.6	J	ug/kg	21	21	U	ug/kg	21
Endrin ketone	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
Endrin aldehyde	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1	4.1	U	ug/kg	4.1
alpha-Chlordane	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-Chlordane	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Toxaphene	210	U	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
Aroclor-1016	41	U	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1221	84	U	ug/kg	84	82	U	ug/kg	82	83	U	ug/kg	83
Aroclor-1232	41	U	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1242	41	U	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1248	41	U	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1254	41	U	ug/kg	41	41	U	ug/kg	41	41	U	ug/kg	41
Aroclor-1260	41	U	ug/kg	41	160		ug/kg	41	41	U	ug/kg	41

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0D				CF5BR9S4				CF5BR9S4D			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2880		mg/kg	40	2590		mg/kg	40	25100		mg/kg	40	16300		mg/kg	40
Antimony	2.7	U	mg/kg	12	3.4	U	mg/kg	12	3	U	mg/kg	12	2.9	U	mg/kg	12
Arsenic	.5		mg/kg	2	.46	U	mg/kg	2	3		mg/kg	2	1.7		mg/kg	2
Barium	17.9		mg/kg	40	35.2		mg/kg	40	11.5		mg/kg	40	8.4		mg/kg	40
Beryllium	.22	U	mg/kg	1	.23	U	mg/kg	1	.28	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.8	U	mg/kg	1	1.1	U	mg/kg	1	.74	U	mg/kg	1	.73	U	mg/kg	1
Calcium	79800	J	mg/kg	1000	96900	J	mg/kg	1000	319	UJ	mg/kg	1000	479	UJ	mg/kg	1000
Chromium	6.5		mg/kg	2	8		mg/kg	2	15.9		mg/kg	2	9.8		mg/kg	2
Cobalt	4.3	U	mg/kg	10	2	U	mg/kg	10	2.3	U	mg/kg	10	1	U	mg/kg	10
Copper	5.2	U	mg/kg	5	4.9	U	mg/kg	5	1.8	U	mg/kg	5	1.3	U	mg/kg	5
Iron	1840	J	mg/kg	20	1490	J	mg/kg	20	2710	J	mg/kg	20	1030	J	mg/kg	20
Lead	20.6		mg/kg	1	18.6		mg/kg	1	9.8		mg/kg	1	10.5		mg/kg	1
Magnesium	1550		mg/kg	1000	1110		mg/kg	1000	346		mg/kg	1000	99.1		mg/kg	1000
Manganese	36		mg/kg	3	29.9		mg/kg	3	6.8		mg/kg	3	1.5	U	mg/kg	3
Mercury	.12	UJ	mg/kg	.1	.12	UJ	mg/kg	.1	.12	UJ	mg/kg	.1	.13	UJ	mg/kg	.1
Nickel	2.9	U	mg/kg	8	4.3	U	mg/kg	8	8.8	U	mg/kg	8	6.2	U	mg/kg	8
Potassium	97.9	U	mg/kg	1000	128	U	mg/kg	1000	312		mg/kg	1000	150		mg/kg	1000
Selenium	.23	UJ	mg/kg	1	.23	UJ	mg/kg	1	.24	UJ	mg/kg	1	.24	UJ	mg/kg	1
Silver	.67	U	mg/kg	2	.8	U	mg/kg	2	.74	U	mg/kg	2	.73	U	mg/kg	2
Sodium	191	U	mg/kg	1000	162	U	mg/kg	1000	149	U	mg/kg	1000	161	U	mg/kg	1000
Thallium	.23	UJ	mg/kg	2	.23	UJ	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	5.2		mg/kg	10	6.5		mg/kg	10	11.1		mg/kg	10	5.8		mg/kg	10
Zinc	30.9		mg/kg	4	40.3		mg/kg	4	8.1	U	mg/kg	4	5.2	U	mg/kg	4
Cyanide	.48	U	mg/kg	1	.53	U	mg/kg	1	.48	U	mg/kg	1	.51	U	mg/kg	1

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R - RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0				CF5BR10S0D				CF5BR10S4				CF5BR11S0			
Collect Date:	30-SEP-93				30-SEP-93				30-SEP-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1830		mg/kg	40	2240		mg/kg	40	9280		mg/kg	40	897		mg/kg	40
Antimony	5.8	UJ	mg/kg	12	5.7	UJ	mg/kg	12	6	UJ	mg/kg	12	5.4	UJ	mg/kg	12
Arsenic	.46	U	mg/kg	2	.46	U	mg/kg	2	.5	U	mg/kg	2	.44	U	mg/kg	2
Barium	2.2	U	mg/kg	40	2.4	U	mg/kg	40	2.1	U	mg/kg	40	7.1	U	mg/kg	40
Beryllium	.46	U	mg/kg	1	.46	U	mg/kg	1	.48	U	mg/kg	1	.43	U	mg/kg	1
Cadmium	.7	U	mg/kg	1	.68	U	mg/kg	1	.72	U	mg/kg	1	.64	U	mg/kg	1
Calcium	382	U	mg/kg	1000	313	U	mg/kg	1000	166	U	mg/kg	1000	1180		mg/kg	1000
Chromium	3.7	U	mg/kg	2	4.3	U	mg/kg	2	15		mg/kg	2	2.8		mg/kg	2
Cobalt	1.6	U	mg/kg	10	1.6	U	mg/kg	10	1.7	U	mg/kg	10	1.5	U	mg/kg	10
Copper	1.6	U	mg/kg	5	1.6	U	mg/kg	5	1.7	U	mg/kg	5	1.5	U	mg/kg	5
Iron	139		mg/kg	20	191		mg/kg	20	206		mg/kg	20	89.3		mg/kg	20
Lead	2.7		mg/kg	1	2.6		mg/kg	1	6.3		mg/kg	1	2.6		mg/kg	1
Magnesium	38.5	U	mg/kg	1000	44	U	mg/kg	1000	33.9	U	mg/kg	1000	23.9	U	mg/kg	1000
Manganese	1.4	U	mg/kg	3	1.4	U	mg/kg	3	3.8	J	mg/kg	3	1.4	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.14		mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.3	U	mg/kg	8	2.3	U	mg/kg	8	2.4	U	mg/kg	8	2.1	U	mg/kg	8
Potassium	37.6	U	mg/kg	1000	39.3	U	mg/kg	1000	39.5	U	mg/kg	1000	26.6	U	mg/kg	1000
Selenium	.28	U	mg/kg	1	.37	U	mg/kg	1	.8	U	mg/kg	1	.31	U	mg/kg	1
Silver	.93	U	mg/kg	2	.91	U	mg/kg	2	.97	U	mg/kg	2	.86	U	mg/kg	2
Sodium	155	U	mg/kg	1000	155	U	mg/kg	1000	183	U	mg/kg	1000	120	U	mg/kg	1000
Thallium	.23	U	mg/kg	2	.23	U	mg/kg	2	.25	U	mg/kg	2	.22	U	mg/kg	2
Vanadium	1.4	U	mg/kg	10	1.4		mg/kg	10	4.1	U	mg/kg	10	1.3	U	mg/kg	10
Zinc	3.2	U	mg/kg	4	4.4	U	mg/kg	4	7	U	mg/kg	4	.99	U	mg/kg	4
Cyanide	.57	U	mg/kg	1	.57	U	mg/kg	1	.61	U	mg/kg	1	.54	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR11S6				CF5BR12S4				CF5BR12S6				CF5BR13S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR11S6				CF5BR12S4				CF5BR12S6				CF5BR13S2			
Collect Date:	01-OCT-93				01-OCT-93				01-OCT-93				01-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	9890		mg/kg	40	8640		mg/kg	40	14000		mg/kg	40	12500		mg/kg	40
Antimony	5.3	UJ	mg/kg	12	6.1	UJ	mg/kg	12	6.1	UJ	mg/kg	12	6.1	UJ	mg/kg	12
Arsenic	.42	UJ	mg/kg	2	.69	J	mg/kg	2	.48	U	mg/kg	2	.49	U	mg/kg	2
Barium	9.2		mg/kg	40	7.7	U	mg/kg	40	10.5		mg/kg	40	10.6		mg/kg	40
Beryllium	.42	U	mg/kg	1	.49	U	mg/kg	1	.49	U	mg/kg	1	.49	U	mg/kg	1
Cadmium	.63	U	mg/kg	1	.73	U	mg/kg	1	.74	U	mg/kg	1	.73	U	mg/kg	1
Calcium	109	U	mg/kg	1000	265	U	mg/kg	1000	242	U	mg/kg	1000	125	U	mg/kg	1000
Chromium	15.4		mg/kg	2	12.5		mg/kg	2	18.2		mg/kg	2	15.4		mg/kg	2
Cobalt	1.5	U	mg/kg	10	1.7	U	mg/kg	10	1.8	J	mg/kg	10	1.7	U	mg/kg	10
Copper	1.5	U	mg/kg	5	1.7	U	mg/kg	5	1.7	U	mg/kg	5	1.7	U	mg/kg	5
Iron	754		mg/kg	20	2490		mg/kg	20	2170		mg/kg	20	1610		mg/kg	20
Lead	10		mg/kg	1	4.5		mg/kg	1	10.5		mg/kg	1	10.6		mg/kg	1
Magnesium	123	U	mg/kg	1000	133	U	mg/kg	1000	184	U	mg/kg	1000	123	U	mg/kg	1000
Manganese	3.4	J	mg/kg	3	3.3	J	mg/kg	3	3.5	J	mg/kg	3	2.9	U	mg/kg	3
Mercury	.15		mg/kg	.1	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	2.3	J	mg/kg	8	3.5		mg/kg	8	4.8		mg/kg	8	3.6		mg/kg	8
Potassium	103	U	mg/kg	1000	101	U	mg/kg	1000	175	U	mg/kg	1000	104	U	mg/kg	1000
Selenium	.54	UJ	mg/kg	1	.3	U	mg/kg	1	.26	UJ	mg/kg	1	.25	U	mg/kg	1
Silver	.84	U	mg/kg	2	.97	U	mg/kg	2	.98	U	mg/kg	2	.97	U	mg/kg	2
Sodium	134	U	mg/kg	1000	168	U	mg/kg	1000	185	U	mg/kg	1000	190	U	mg/kg	1000
Thallium	.21	U	mg/kg	2	.25	U	mg/kg	2	.24	U	mg/kg	2	.25	U	mg/kg	2
Vanadium	5.1		mg/kg	10	9.9		mg/kg	10	8.7		mg/kg	10	10.4		mg/kg	10
Zinc	3	U	mg/kg	4	5.7	U	mg/kg	4	3.4	U	mg/kg	4	2.3	U	mg/kg	4
Cyanide	.53	U	mg/kg	1	.6	U	mg/kg	1	.6	U	mg/kg	1	.59	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR13S4				CF5BR13S4R				CF5BR14S0				CF5BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR13S4				CF5BR13S4R				CF5BR14S0				CF5BR14S2			
Collect Date:	01-OCT-93				01-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	14300		mg/kg	40	46.9		ug/l	200	1520		mg/kg	40	5330		mg/kg	40
Antimony	5.9	UJ	mg/kg	12	25	U	ug/l	60	3	UJ	mg/kg	12	2.8	UJ	mg/kg	12
Arsenic	.47	U	mg/kg	2	2	U	ug/l	10	.51	UJ	mg/kg	2	.48	UJ	mg/kg	2
Barium	11.3		mg/kg	40	2	U	ug/l	200	8.2		mg/kg	40	11.3		mg/kg	40
Beryllium	.47	U	mg/kg	1	2	U	ug/l	5	.25	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.71	U	mg/kg	1	3	U	ug/l	5	.75	U	mg/kg	1	.71	U	mg/kg	1
Calcium	104	U	mg/kg	1000	20.9	J	ug/l	5000	1460	J	mg/kg	1000	194	J	mg/kg	1000
Chromium	14.9		mg/kg	2	6	U	ug/l	10	2.1		mg/kg	2	6.2		mg/kg	2
Cobalt	1.6	U	mg/kg	10	7	U	ug/l	50	1	U	mg/kg	10	.95	U	mg/kg	10
Copper	1.6	U	mg/kg	5	7	U	ug/l	25	1.7		mg/kg	5	.7		mg/kg	5
Iron	943		mg/kg	20	65.1		ug/l	100	567	J	mg/kg	20	523	J	mg/kg	20
Lead	6.9		mg/kg	1	1.9		ug/l	5	2.6		mg/kg	1	2.5		mg/kg	1
Magnesium	180	U	mg/kg	1000	16.4		ug/l	5000	56.2	U	mg/kg	1000	140		mg/kg	1000
Manganese	5.1	J	mg/kg	3	2	U	ug/l	15	3.8	U	mg/kg	3	3.5	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.2	U	ug/l	.2	.13	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	4.1		mg/kg	8	10	U	ug/l	40	1	UJ	mg/kg	8	1.6	J	mg/kg	8
Potassium	194	U	mg/kg	1000	36	U	ug/l	5000	33.9	U	mg/kg	1000	78.8	U	mg/kg	1000
Selenium	1.1	U	mg/kg	1	1	U	ug/l	5	.25	UJ	mg/kg	1	.24	UJ	mg/kg	1
Silver	.94	U	mg/kg	2	4	U	ug/l	10	.75	U	mg/kg	2	.71	U	mg/kg	2
Sodium	151	U	mg/kg	1000	162	U	ug/l	5000	193	U	mg/kg	1000	172	U	mg/kg	1000
Thallium	.24	U	mg/kg	2	1	U	ug/l	10	.25	UJ	mg/kg	2	.24	UJ	mg/kg	2
Vanadium	6.6		mg/kg	10	6	U	ug/l	50	2.6	U	mg/kg	10	4.6		mg/kg	10
Zinc	3.2	U	mg/kg	4	4.5		ug/l	20	3	UJ	mg/kg	4	3.6	UJ	mg/kg	4
Cyanide	.59	U	mg/kg	1	5	U	ug/l	10	.64	U	mg/kg	1	.6	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR15S0				CF5BR15S2				CF5BR16S2				CF5BR16S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR15S0				CF5BR15S2				CF5BR16S2				CF5BR16S4			
Collect Date:	02-OCT-93				02-OCT-93				02-OCT-93				02-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1580		mg/kg	40	5420		mg/kg	40	5620		mg/kg	40	19300		mg/kg	40
Antimony	2.8	UJ	mg/kg	12	3	UJ	mg/kg	12	2.9	UJ	mg/kg	12	3	UJ	mg/kg	12
Arsenic	.46	UJ	mg/kg	2	.5	UJ	mg/kg	2	.48	UJ	mg/kg	2	.99	UJ	mg/kg	2
Barium	5.4		mg/kg	40	7.5		mg/kg	40	5.7		mg/kg	40	9.7		mg/kg	40
Beryllium	.23	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1	.25	U	mg/kg	1
Cadmium	.69	U	mg/kg	1	.76	U	mg/kg	1	.71	U	mg/kg	1	.74	U	mg/kg	1
Calcium	426	J	mg/kg	1000	712	J	mg/kg	1000	95.1	UJ	mg/kg	1000	81.5	UJ	mg/kg	1000
Chromium	2.6		mg/kg	2	6		mg/kg	2	9.3		mg/kg	2	24.1	J	mg/kg	2
Cobalt	.92	U	mg/kg	10	1	U	mg/kg	10	.95	U	mg/kg	10	.99	U	mg/kg	10
Copper	1		mg/kg	5	.6	U	mg/kg	5	.74		mg/kg	5	1.6		mg/kg	5
Iron	361	J	mg/kg	20	451	J	mg/kg	20	443	J	mg/kg	20	885	J	mg/kg	20
Lead	3.5		mg/kg	1	2		mg/kg	1	4.3		mg/kg	1	6.4		mg/kg	1
Magnesium	41	U	mg/kg	1000	260		mg/kg	1000	96.3		mg/kg	1000	163		mg/kg	1000
Manganese	2.7	U	mg/kg	3	4.1	U	mg/kg	3	2.1	U	mg/kg	3	4	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	.92	UJ	mg/kg	8	1	UJ	mg/kg	8	1	UJ	mg/kg	8	5.4	J	mg/kg	8
Potassium	24.3	U	mg/kg	1000	88.1	U	mg/kg	1000	59.4	U	mg/kg	1000	132	U	mg/kg	1000
Selenium	.28	J	mg/kg	1	.35	J	mg/kg	1	.24	UJ	mg/kg	1	.84	J	mg/kg	1
Silver	.69	U	mg/kg	2	.76	U	mg/kg	2	.71	U	mg/kg	2	.74	U	mg/kg	2
Sodium	170	U	mg/kg	1000	445		mg/kg	1000	175	U	mg/kg	1000	172	U	mg/kg	1000
Thallium	.23	UJ	mg/kg	2	.25	UJ	mg/kg	2	.24	UJ	mg/kg	2	.25	UJ	mg/kg	2
Vanadium	2.3	U	mg/kg	10	5.2		mg/kg	10	4.6		mg/kg	10	7.5		mg/kg	10
Zinc	4	UJ	mg/kg	4	2.8	UJ	mg/kg	4	.48	UJ	mg/kg	4	1.3	UJ	mg/kg	4
Cyanide	.55	U	mg/kg	1	.63	U	mg/kg	1	.58	U	mg/kg	1	.61	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5BR17S4				CF5BR17S6				CF5BR18S2				CF5BR18S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR17S4				CF5BR17S6				CF5BR18S2				CF5BR18S4			
Collect Date:	02-OCT-93				02-OCT-93				30-SEP-93				30-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	14000		mg/kg	40	17600		mg/kg	40	4450		mg/kg	40	6910		mg/kg	40
Antimony	3	UJ	mg/kg	12	2.9	UJ	mg/kg	12	5.8	UJ	mg/kg	12	6.2	UJ	mg/kg	12
Arsenic	1.2	J	mg/kg	2	.94	UJ	mg/kg	2	.49	U	mg/kg	2	.5	U	mg/kg	2
Barium	5.3	U	mg/kg	40	9.7		mg/kg	40	3.5	U	mg/kg	40	3.1	U	mg/kg	40
Beryllium	.25	U	mg/kg	1	.24	U	mg/kg	1	.47	U	mg/kg	1	.49	U	mg/kg	1
Cadmium	.75	U	mg/kg	1	.73	U	mg/kg	1	.7	U	mg/kg	1	.74	U	mg/kg	1
Calcium	91.1	UJ	mg/kg	1000	88.7	UJ	mg/kg	1000	225	U	mg/kg	1000	158	U	mg/kg	1000
Chromium	19.7		mg/kg	2	18.9		mg/kg	2	7.9		mg/kg	2	16.2		mg/kg	2
Cobalt	1	U	mg/kg	10	.97	U	mg/kg	10	1.6	U	mg/kg	10	1.7	U	mg/kg	10
Copper	2.2		mg/kg	5	1.9		mg/kg	5	1.6	U	mg/kg	5	1.7	U	mg/kg	5
Iron	524	J	mg/kg	20	681	J	mg/kg	20	279		mg/kg	20	194		mg/kg	20
Lead	26.5		mg/kg	1	9.1		mg/kg	1	4.6		mg/kg	1	9.5		mg/kg	1
Magnesium	81		mg/kg	1000	101		mg/kg	1000	48	U	mg/kg	1000	34.3	U	mg/kg	1000
Manganese	2.5	U	mg/kg	3	4.3	U	mg/kg	3	1.8	U	mg/kg	3	3.1	U	mg/kg	3
Mercury	.21		mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	2.6	J	mg/kg	8	3	J	mg/kg	8	2.3	U	mg/kg	8	2.5	U	mg/kg	8
Potassium	142	U	mg/kg	1000	270	J	mg/kg	1000	37	U	mg/kg	1000	46.1	U	mg/kg	1000
Selenium	.5	J	mg/kg	1	.54	J	mg/kg	1	.27	U	mg/kg	1	.68	U	mg/kg	1
Silver	.75	U	mg/kg	2	.73	U	mg/kg	2	.94	U	mg/kg	2	.99	U	mg/kg	2
Sodium	178	U	mg/kg	1000	178	U	mg/kg	1000	167	U	mg/kg	1000	155	U	mg/kg	1000
Thallium	.25	UJ	mg/kg	2	.24	UJ	mg/kg	2	.24	U	mg/kg	2	.25	U	mg/kg	2
Vanadium	6		mg/kg	10	8.4		mg/kg	10	4.4		mg/kg	10	4	U	mg/kg	10
Zinc	9.5	U	mg/kg	4	2.7	UJ	mg/kg	4	3.4	U	mg/kg	4	6.1	U	mg/kg	4
Cyanide	.63	U	mg/kg	1	.61	U	mg/kg	1	.59	U	mg/kg	1	.62	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5MS8S0			CF5MS8S2			CF5MS13S0			CF5MS13S0D		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MS8S0			CF5MS8S2			CF5MS13S0			CF5MS13S0D		
Collect Date:	12-OCT-93			12-OCT-93			11-OCT-93			11-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	679	mg/kg	40	1090	mg/kg	40	2020	mg/kg	40	2710	mg/kg	40
Antimony	2.8 U	mg/kg	12	2.8 U	mg/kg	12	2.9 U	mg/kg	12	2.7 U	mg/kg	12
Arsenic	.47 U	mg/kg	2	.49 U	mg/kg	2	.46 U	mg/kg	2	.47 U	mg/kg	2
Barium	2.6 U	mg/kg	40	4 U	mg/kg	40	2.1 U	mg/kg	40	2.6 U	mg/kg	40
Beryllium	.23 U	mg/kg	1	.24 U	mg/kg	1	.23 U	mg/kg	1	.22 U	mg/kg	1
Cadmium	.7 U	mg/kg	1	.71 U	mg/kg	1	.68 U	mg/kg	1	.67 U	mg/kg	1
Calcium	2860 J	mg/kg	1000	619 J	mg/kg	1000	225 UJ	mg/kg	1000	714 J	mg/kg	1000
Chromium	1.4 J	mg/kg	2	1.5	mg/kg	2	1.9	mg/kg	2	2.9	mg/kg	2
Cobalt	.93 U	mg/kg	10	.95 U	mg/kg	10	.91 U	mg/kg	10	.9 U	mg/kg	10
Copper	.74 U	mg/kg	5	.59 U	mg/kg	5	1.1 U	mg/kg	5	1.1 U	mg/kg	5
Iron	196 J	mg/kg	20	98.5 U	mg/kg	20	196 J	mg/kg	20	320 J	mg/kg	20
Lead	1.6	mg/kg	1	.99	mg/kg	1	2.3	mg/kg	1	2.2	mg/kg	1
Magnesium	35.2 U	mg/kg	1000	24.9 U	mg/kg	1000	35.2 U	mg/kg	1000	55.5 U	mg/kg	1000
Manganese	2.1 U	mg/kg	3	.71 U	mg/kg	3	1.5 U	mg/kg	3	3.7	mg/kg	3
Mercury	.12 UJ	mg/kg	.1	.13 UJ	mg/kg	.1	.12 UJ	mg/kg	.1	.11 UJ	mg/kg	.1
Nickel	.93 U	mg/kg	8	1.3 U	mg/kg	8	2.2 U	mg/kg	8	2.5 U	mg/kg	8
Potassium	15.4 U	mg/kg	1000	9.8 U	mg/kg	1000	13.2 U	mg/kg	1000	22.2 U	mg/kg	1000
Selenium	.82 UJ	mg/kg	1	.25 UJ	mg/kg	1	.23 UJ	mg/kg	1	.26 UJ	mg/kg	1
Silver	.7 U	mg/kg	2	.71 U	mg/kg	2	.8 U	mg/kg	2	.89 U	mg/kg	2
Sodium	139 U	mg/kg	1000	170 U	mg/kg	1000	138 U	mg/kg	1000	161 U	mg/kg	1000
Thallium	.23 U	mg/kg	2	.25 U	mg/kg	2	.23 U	mg/kg	2	.23 U	mg/kg	2
Vanadium	.96 U	mg/kg	10	.97 U	mg/kg	10	1.3 U	mg/kg	10	1.6 U	mg/kg	10
Zinc	12.9 U	mg/kg	49	3.7 U	mg/kg	4	3.1 U	mg/kg	4	3.6 U	mg/kg	4
Cyanide	.55 U	mg/kg	1	.53 U	mg/kg	1	.59 U	mg/kg	1	.53 U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S4				CF5MS19S0				CF5MS19S4				CF5MS19S4R			
Collect Date:	11-OCT-93				05-OCT-93				05-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	5040		mg/kg	40	2440		mg/kg	40	3380		mg/kg	40	37.7	J	ug/l	200
Antimony	2.8	U	mg/kg	12	2.9	UJ	mg/kg	12	2.7	UJ	mg/kg	12	12	U	ug/l	60
Arsenic	.49	U	mg/kg	2	.48	UJ	mg/kg	2	.47	UJ	mg/kg	2	2	U	ug/l	10
Barium	3.8	U	mg/kg	40	7.4		mg/kg	40	3.4	U	mg/kg	40	4.7	J	ug/l	200
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1	1	U	ug/l	5
Cadmium	.71	U	mg/kg	1	.72	U	mg/kg	1	.68	U	mg/kg	1	3	U	ug/l	5
Calcium	120	UJ	mg/kg	1000	7610	J	mg/kg	1000	113	J	mg/kg	1000	140	J	ug/l	5000
Chromium	6		mg/kg	2	2.9		mg/kg	2	6		mg/kg	2	5	U	ug/l	10
Cobalt	.95	U	mg/kg	10	.97	U	mg/kg	10	.91	U	mg/kg	10	4	U	ug/l	50
Copper	.95	U	mg/kg	5	1.4		mg/kg	5	1.1		mg/kg	5	2	U	ug/l	25
Iron	391	J	mg/kg	20	708	J	mg/kg	20	244	J	mg/kg	20	33.4	J	ug/l	100
Lead	4.1		mg/kg	1	4.7		mg/kg	1	3.3		mg/kg	1	1	U	ug/l	5
Magnesium	80.5	U	mg/kg	1000	158		mg/kg	1000	22.9	UJ	mg/kg	1000	57.2	J	ug/l	5000
Manganese	1.7	U	mg/kg	3	9.8		mg/kg	3	1.4	U	mg/kg	3	5	J	ug/l	15
Mercury	.12	UJ	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.2	U	ug/l	.2
Nickel	2.5	U	mg/kg	8	.97	UJ	mg/kg	8	.91	UJ	mg/kg	8	4	U	ug/l	40
Potassium	27.2	U	mg/kg	1000	27	U	mg/kg	1000	21	U	mg/kg	1000	263	J	ug/l	5000
Selenium	.27	UJ	mg/kg	1	.24	UJ	mg/kg	1	.23	UJ	mg/kg	1	1	U	ug/l	5
Silver	.71	U	mg/kg	2	.72	U	mg/kg	2	.68	U	mg/kg	2	3	U	ug/l	10
Sodium	128	U	mg/kg	1000	190	U	mg/kg	1000	175	U	mg/kg	1000	195	J	ug/l	5000
Thallium	.25	U	mg/kg	2	.24	UJ	mg/kg	2	.23	UJ	mg/kg	2	1	U	ug/l	10
Vanadium	3.4		mg/kg	10	3.1	U	mg/kg	10	3.6	U	mg/kg	10	2	U	ug/l	50
Zinc	2.7	U	mg/kg	4	11.3		mg/kg	4	2.2	UJ	mg/kg	4	10.4	J	ug/l	20
Cyanide	.56	U	mg/kg	1	.66		mg/kg	1	.57	U	mg/kg	1	5.1	J	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS20S0				CF5MS20S2				CF5MS23S0				CF5MS23S10R			
Collect Date:	04-OCT-93				04-OCT-93				21-SEP-93				21-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1360		mg/kg	40	5450		mg/kg	40	789		mg/kg	40	16	U	ug/l	200
Antimony	3.4	UJ	mg/kg	12	3.1	UJ	mg/kg	12	3.8	UJ	mg/kg	12	15	U	ug/l	60
Arsenic	.56	UJ	mg/kg	2	.52	UJ	mg/kg	2	.51	U	mg/kg	2	2	U	ug/l	10
Barium	1.7	J	mg/kg	40	4.5	U	mg/kg	40	4.1	J	mg/kg	40	1	UJ	ug/l	200
Beryllium	.29	U	mg/kg	1	.26	U	mg/kg	1	.25	U	mg/kg	1	1	U	ug/l	5
Cadmium	.86	U	mg/kg	1	.78	U	mg/kg	1	1	U	mg/kg	1	4	U	ug/l	5
Calcium	125	UJ	mg/kg	1000	1010	J	mg/kg	1000	179		mg/kg	1000	52.6	U	ug/l	5000
Chromium	1.8	J	mg/kg	2	9.3		mg/kg	2	4.5		mg/kg	2	8	U	ug/l	10
Cobalt	1.1	U	mg/kg	10	1	U	mg/kg	10	1.5	U	mg/kg	10	6	U	ug/l	50
Copper	.69		mg/kg	5	.52	U	mg/kg	5	3.4	J	mg/kg	5	6.4	U	ug/l	25
Iron	79.6	J	mg/kg	20	155	J	mg/kg	20	179		mg/kg	20	6	UJ	ug/l	100
Lead	1.6	J	mg/kg	1	3.7		mg/kg	1	2.6		mg/kg	1	1	UJ	ug/l	5
Magnesium	18.6	UJ	mg/kg	1000	330		mg/kg	1000	23.8	U	mg/kg	1000	14	U	ug/l	5000
Manganese	1.4	U	mg/kg	3	1.4	U	mg/kg	3	1.4	U	mg/kg	3	2	U	ug/l	15
Mercury	.14	U	mg/kg	.1	.14	U	mg/kg	.1	.14	U	mg/kg	.1	.2	U	ug/l	.2
Nickel	1.1	UJ	mg/kg	8	1	UJ	mg/kg	8	1.8	U	mg/kg	8	7	U	ug/l	40
Potassium	11	U	mg/kg	1000	43.1	U	mg/kg	1000	15.3	U	mg/kg	1000	34	UJ	ug/l	5000
Selenium	.28	UJ	mg/kg	1	1.2	J	mg/kg	1	.25	UJ	mg/kg	1	1	UJ	ug/l	5
Silver	.86	U	mg/kg	2	.78	U	mg/kg	2	1	U	mg/kg	2	4	U	ug/l	10
Sodium	227	U	mg/kg	1000	184	U	mg/kg	1000	162	U	mg/kg	1000	142	U	ug/l	5000
Thallium	.28	UJ	mg/kg	2	.26	UJ	mg/kg	2	.25	UJ	mg/kg	2	1	UJ	ug/l	10
Vanadium	2.1	U	mg/kg	10	2.6	U	mg/kg	10	1.9	U	mg/kg	10	4	U	ug/l	50
Zinc	.96	UJ	mg/kg	4	.52	UJ	mg/kg	4	4.3	U	mg/kg	4	10.5	U	ug/l	20
Cyanide	.72	U	mg/kg	1	.66	U	mg/kg	1	.64	U	mg/kg	1	5	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS23S2				CF5MS24S2				CF5MS24S6				CF5MS29S0			
Collect Date:	21-SEP-93				27-SEP-93				27-SEP-93				22-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	780		mg/kg	40	11400		mg/kg	40	11800		mg/kg	40	860		mg/kg	40
Antimony	4.6	UJ	mg/kg	12	6.8	UJ	mg/kg	12	6.2	UJ	mg/kg	12	3.5	UJ	mg/kg	12
Arsenic	.62	U	mg/kg	2	.8		mg/kg	2	.48	U	mg/kg	2	.49	U	mg/kg	2
Barium	7.4	J	mg/kg	40	8.3	U	mg/kg	40	10.9		mg/kg	40	3	J	mg/kg	40
Beryllium	.3	U	mg/kg	1	.47	U	mg/kg	1	.5	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	1.2	U	mg/kg	1	.7	U	mg/kg	1	.74	U	mg/kg	1	.94	U	mg/kg	1
Calcium	295	J	mg/kg	1000	141	U	mg/kg	1000	137	U	mg/kg	1000	7250		mg/kg	1000
Chromium	4.4		mg/kg	2	15.2		mg/kg	2	14.6		mg/kg	2	3.4		mg/kg	2
Cobalt	1.8	U	mg/kg	10	1.6	U	mg/kg	10	1.7	U	mg/kg	10	1.4	U	mg/kg	10
Copper	.88	U	mg/kg	5	1.6	U	mg/kg	5	1.9		mg/kg	5	.71	U	mg/kg	5
Iron	209		mg/kg	20	3480		mg/kg	20	922		mg/kg	20	304		mg/kg	20
Lead	2.5		mg/kg	1	5.6		mg/kg	1	9		mg/kg	1	4.1		mg/kg	1
Magnesium	36.4	U	mg/kg	1000	126	U	mg/kg	1000	162	U	mg/kg	1000	69.4	U	mg/kg	1000
Manganese	2	U	mg/kg	3	2.8	U	mg/kg	3	6.7	J	mg/kg	3	4.5	U	mg/kg	3
Mercury	.15	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.1	U	mg/kg	8	3.7		mg/kg	8	3.7		mg/kg	8	1.7	U	mg/kg	8
Potassium	15.6	UJ	mg/kg	1000	117	U	mg/kg	1000	181	U	mg/kg	1000	14.1	UJ	mg/kg	1000
Selenium	.31	UJ	mg/kg	1	.54	UJ	mg/kg	1	.24	U	mg/kg	1	.24	UJ	mg/kg	1
Silver	1.2	U	mg/kg	2	.93	U	mg/kg	2	.99	U	mg/kg	2	.94	U	mg/kg	2
Sodium	208	J	mg/kg	1000	211	U	mg/kg	1000	199	U	mg/kg	1000	145	U	mg/kg	1000
Thallium	.31	UJ	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	UJ	mg/kg	2
Vanadium	2	U	mg/kg	10	15.2		mg/kg	10	5.7		mg/kg	10	2.3	U	mg/kg	10
Zinc	3.5	U	mg/kg	4	3.1	U	mg/kg	4	4.7	U	mg/kg	4	17	U	mg/kg	4
Cyanide	.75	U	mg/kg	1	.58	U	mg/kg	1	.61	U	mg/kg	1	.59	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MS29S4				CF5MS30S2				CF5MS30S6			
Collect Date:	22-SEP-93				20-SEP-93				20-SEP-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	303		mg/kg	40	1400		mg/kg	40	7310		mg/kg	40
Antimony	3.8	UJ	mg/kg	12	3.7	UJ	mg/kg	12	3.6	UJ	mg/kg	12
Arsenic	.51	U	mg/kg	2	.55	U	mg/kg	2	3.1		mg/kg	2
Barium	2.4	J	mg/kg	40	3.9	J	mg/kg	40	5.6	J	mg/kg	40
Beryllium	.25	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	1	U	mg/kg	1	.98	U	mg/kg	1	.97	U	mg/kg	1
Calcium	168	J	mg/kg	1000	915	J	mg/kg	1000	159	J	mg/kg	1000
Chromium	3.2		mg/kg	2	4.7		mg/kg	2	9.2		mg/kg	2
Cobalt	1.5	U	mg/kg	10	1.5	U	mg/kg	10	1.5	U	mg/kg	10
Copper	.62	U	mg/kg	5	.95	U	mg/kg	5	1.5	U	mg/kg	5
Iron	30.5	UJ	mg/kg	20	677		mg/kg	20	333		mg/kg	20
Lead	.66	J	mg/kg	1	3.5		mg/kg	1	9.4		mg/kg	1
Magnesium	13.4	U	mg/kg	1000	34.6	U	mg/kg	1000	63.1	U	mg/kg	1000
Manganese	.72	U	mg/kg	3	2.6	U	mg/kg	3	2.3	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.8	U	mg/kg	8	1.7	U	mg/kg	8	2.8	J	mg/kg	8
Potassium	8.8	UJ	mg/kg	1000	19.2	UJ	mg/kg	1000	75.7	J	mg/kg	1000
Selenium	.25	UJ	mg/kg	1	.25	UJ	mg/kg	1	.25	UJ	mg/kg	1
Silver	1	U	mg/kg	2	.98	U	mg/kg	2	.97	U	mg/kg	2
Sodium	165	U	mg/kg	1000	241	J	mg/kg	1000	168	U	mg/kg	1000
Thallium	.25	UJ	mg/kg	2	.25	UJ	mg/kg	2	.25	UJ	mg/kg	2
Vanadium	1.9	U	mg/kg	10	1.9	U	mg/kg	10	6.5	U	mg/kg	10
Zinc	3.2	U	mg/kg	4	4.3	U	mg/kg	4	3.9	U	mg/kg	4
Cyanide	.62	U	mg/kg	1	.62	U	mg/kg	1	.61	U	mg/kg	1

SITE 5 SUBSURFACE SOIL AND 1991 SUBSURFACE SOIL DATA

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS																
Chloromethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Bromomethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Vinyl Chloride	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Chloroethane	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Methylene Chloride	730	U	ug/kg	690	1100	U	ug/kg	770	1200	U	ug/kg	760	900	U	ug/kg	740
Acetone	2800	U	ug/kg	1400	1500	U	ug/kg	1500	5600	U	ug/kg	1500	1800	U	ug/kg	1500
Carbon Disulfide	-				-				-				-			
1,1-Dichloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,1-Dichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,2-Dichloroethene (total)	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Chloroform	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,2-Dichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
2-Butanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
1,1,1-Trichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Carbon tetrachloride	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Vinyl Acetate	-				-				-				-			
Bromodichloromethane	-				-				-				-			
1,2-Dichloropropane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
cis-1,3-Dichloropropene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Trichloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Dibromochloromethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
1,1,2-Trichloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Benzene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
trans-1,3-Dichloropropene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Bromoform	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
4-Methyl-2-pentanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
2-Hexanone	1400	U	ug/kg	1400	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Tetrachloroethene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Toluene	690	U	ug/kg	690	160	J	ug/kg	770	760	U	ug/kg	760	160	J	ug/kg	740
1,1,2,2-Tetrachloroethane	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Chlorobenzene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Ethyl Benzene	690	U	ug/kg	690	790		ug/kg	770	760	U	ug/kg	760	1100		ug/kg	740
Styrene	690	U	ug/kg	690	770	U	ug/kg	770	760	U	ug/kg	760	740	U	ug/kg	740
Xylenes (total)	240	J	ug/kg	690	2000		ug/kg	770	760	U	ug/kg	760	2800		ug/kg	740
CLP SEMIVOLATILES																
Phenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Chloroethyl) ether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Chlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,3-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,4-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzyl Alcohol	-				-				-				-			
1,2-Dichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Chloroisopropyl) ether	-				-				-				-			
4-Methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
N-Nitroso-di-n-propylamine	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachloroethane	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Nitrobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Isophorone	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Nitrophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dimethylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzoic Acid	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dichlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
1,2,4-Trichlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Naphthalene	3100	U	ug/kg	2640	1900		ug/kg	1320	1500	U	ug/kg	1320	1200	J	ug/kg	1320
4-Chloroaniline	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorobutadiene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Chloro-3-methylphenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Methylnaphthalene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorocyclopentadiene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4,6-Trichlorophenol	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4,5-Trichlorophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
2-Chloronaphthalene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Dimethylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Acenaphthylene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,6-Dinitrotoluene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
3-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Acenaphthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dinitrophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
4-Nitrophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Dibenzofuran	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
2,4-Dinitrotoluene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Diethylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Chlorophenyl-phenylether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Fluorene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Nitroaniline	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
4,6-Dinitro-2-methylphenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
N-Nitrosodiphenylamine (1)	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
4-Bromophenyl-phenylether	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Hexachlorobenzene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Pentachlorophenol	15000	U	ug/kg	12800	7800	U	ug/kg	6400	7300	U	ug/kg	6400	7700	U	ug/kg	6400
Phenanthrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Di-n-butylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Butylbenzylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
3,3'-Dichlorobenzidine	-				-				-				-			
Benzo (a) anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Chrysene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
bis(2-Ethylhexyl) phthalate	470	J	ug/kg	2640	350	J	ug/kg	1320	280	J	ug/kg	1320	1600	U	ug/kg	1320
Di-n-octylphthalate	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (b) fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (k) fluoranthene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (a) pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Indeno (1,2,3-cd) pyrene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Dibenz (a,h) anthracene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
Benzo (g,h,i) perylene	3100	U	ug/kg	2640	1600	U	ug/kg	1320	1500	U	ug/kg	1320	1600	U	ug/kg	1320
CLP PESTICIDES/PCBS																
alpha-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
beta-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
delta-BHC	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
gamma-BHC (Lindane)	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319001				20319002				20319003				20319004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-1-1				BOR-5-1-2				BOR-5-2-1				BOR-5-2-2			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Heptachlor	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Aldrin	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Heptachlor epoxide	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Endosulfan I	190	UJ	ug/kg	160	20	UJ	ug/kg	16	91	UJ	ug/kg	80	19	UJ	ug/kg	16
Dieldrin	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDE	-				-				-				-			
Endrin	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
Endosulfan II	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDD	-				-				-				-			
Endosulfan sulfate	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
4,4'-DDT	-				-				-				-			
Methoxychlor	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Endrin ketone	380	UJ	ug/kg	320	39	UJ	ug/kg	32	180	UJ	ug/kg	160	39	UJ	ug/kg	32
alpha Chlordane	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
gamma-Chlordane	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Toxaphene	3800	UJ	ug/kg	3200	390	UJ	ug/kg	320	1800	UJ	ug/kg	1600	390	UJ	ug/kg	320
Aroclor-1016	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1221	1900	U	ug/kg	1600	200	U	ug/kg	160	910	U	ug/kg	800	190	U	ug/kg	160
Aroclor-1232	1900	U	ug/kg	1600	200	U	ug/kg	160	910	U	ug/kg	800	190	U	ug/kg	160
Aroclor-1242	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1248	1900	UJ	ug/kg	1600	200	UJ	ug/kg	160	910	UJ	ug/kg	800	190	UJ	ug/kg	160
Aroclor-1254	3800	UJ	ug/kg	3200	390	UJ	ug/kg	320	1800	UJ	ug/kg	1600	390	UJ	ug/kg	320
Aroclor-1260	1500	J	ug/kg	3200	180	J	ug/kg	320	1000	J	ug/kg	1600	120	J	ug/kg	320
CLP METALS AND CYANIDE																
Aluminum	1070		mg/kg	40	14200		mg/kg	40	1170		mg/kg	40	8690		mg/kg	40
Antimony	9.5	UJ	mg/kg	12	9.8	UJ	mg/kg	12	9	UJ	mg/kg	12	9.4	UJ	mg/kg	12
Arsenic	.68	J	mg/kg	2	.53	J	mg/kg	2	.34	J	mg/kg	2	.63	J	mg/kg	2
Barium	2.6	J	mg/kg	40	11.9	J	mg/kg	40	2	J	mg/kg	40	8.3	J	mg/kg	40
Beryllium	.025	U	mg/kg	1	.037	UJ	mg/kg	1	.16	UJ	mg/kg	1	.13	UJ	mg/kg	1
Cadmium	.38	U	mg/kg	1	.39	U	mg/kg	1	.36	U	mg/kg	1	.38	U	mg/kg	1
Calcium	399	UJ	mg/kg	1000	164	UJ	mg/kg	1000	324	UJ	mg/kg	1000	147	UJ	mg/kg	1000
Chromium	2	J	mg/kg	2	12.8		mg/kg	2	1.6	J	mg/kg	2	8.2		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.3	J	mg/kg	10	1.2	U	mg/kg	10	1.4	J	mg/kg	10
Copper	.38	J	mg/kg	5	1.2	J	mg/kg	5	.32	UJ	mg/kg	5	.41	J	mg/kg	5
Iron	432		mg/kg	20	1060		mg/kg	20	171		mg/kg	20	983		mg/kg	20
Lead	4	J	mg/kg	1	6.7	J	mg/kg	1	8.9	J	mg/kg	1	18.7	J	mg/kg	1
Magnesium	22	UJ	mg/kg	1000	139	J	mg/kg	1000	25.1	UJ	mg/kg	1000	70.2	UJ	mg/kg	1000
Manganese	2.3	J	mg/kg	3	4.2		mg/kg	3	2.8	J	mg/kg	3	2.7	J	mg/kg	3
Mercury	.086	UJ	mg/kg	.1	.096	UJ	mg/kg	.1	.094	UJ	mg/kg	.1	.1	UJ	mg/kg	.1
Nickel	1.7	U	mg/kg	8	3.5	J	mg/kg	8	1.6	U	mg/kg	8	1.8	J	mg/kg	8
Potassium	41.8	U	mg/kg	1000	77.3	J	mg/kg	1000	39.6	U	mg/kg	1000	140	J	mg/kg	1000
Selenium	.3	J	mg/kg	1	.28	UJ	mg/kg	1	.26	UJ	mg/kg	1	.29	J	mg/kg	1
Silver	.55	U	mg/kg	2	.56	U	mg/kg	2	.52	U	mg/kg	2	.54	U	mg/kg	2
Sodium	158	UJ	mg/kg	1000	188	UJ	mg/kg	1000	154	UJ	mg/kg	1000	166	UJ	mg/kg	1000
Thallium	.33	U	mg/kg	2	.34	U	mg/kg	2	.32	U	mg/kg	2	.33	U	mg/kg	2
Vanadium	1.7	J	mg/kg	10	7.4	J	mg/kg	10	.65	J	mg/kg	10	4.6	J	mg/kg	10
Zinc	10.1	UJ	mg/kg	4	20.5	J	mg/kg	4	4.8	UJ	mg/kg	4	9.2	UJ	mg/kg	4
Cyanide	.43	U	mg/kg	2	.45	U	mg/kg	2	.4	U	mg/kg	2	.43	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319005			20319006			20338001			20338010		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	BOR-5-3-1			BOR-5-3-2			BOR5-4-1			BOR5-4-18		
Collect Date:	03-DEC-91			03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILE COMPOUNDS												
Chloromethane	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Bromomethane	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Vinyl Chloride	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Chloroethane	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Methylene Chloride	60 UJ	ug/kg	29	2400 U	ug/kg	1500	850 U	ug/kg	740	800 U	ug/kg	740
Acetone	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Carbon Disulfide	-			-			-			-		
1,1-Dichloroethene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
1,1-Dichloroethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
1,2-Dichloroethene (total)	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Chloroform	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
1,2-Dichloroethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
2-Butanone	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
1,1,1-Trichloroethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Carbon tetrachloride	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Vinyl Acetate	-			-			-			-		
Bromodichloromethane	-			-			-			-		
1,2-Dichloropropane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
cis-1,3-Dichloropropene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Trichloroethene	29 UJ	ug/kg	29	380 J	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Dibromochloromethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
1,1,2-Trichloroethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Benzene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
trans-1,3-Dichloropropene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Bromoform	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
4-Methyl-2-pentanone	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
2-Hexanone	58 UJ	ug/kg	58	3000 U	ug/kg	3000	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Tetrachloroethene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Toluene	29 UJ	ug/kg	29	4900	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
1,1,2,2-Tetrachloroethane	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Chlorobenzene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Ethyl Benzene	29 UJ	ug/kg	29	5300	ug/kg	1500	740 U	ug/kg	740	200 J	ug/kg	740
Styrene	29 UJ	ug/kg	29	1500 U	ug/kg	1500	740 U	ug/kg	740	740 U	ug/kg	740
Xylenes (total)	29 UJ	ug/kg	29	33000	ug/kg	1500	740 U	ug/kg	740	930	ug/kg	740
CLP SEMIVOLATILES												
Phenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
bis(2-Chloroethyl) ether	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
2-Chlorophenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
1,3-Dichlorobenzene	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
1,4-Dichlorobenzene	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
Benzyl Alcohol	-			-			-			-		
1,2-Dichlorobenzene	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
2-Methylphenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
bis(2-Chloroisopropyl) ether	-			-			-			-		
4-Methylphenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
N-Nitroso-di-n-propylamine	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
Hexachloroethane	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
Nitrobenzene	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
Isophorone	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
2-Nitrophenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500
2,4-Dimethylphenol	7800 U	ug/kg	6600	1900 U	ug/kg	1650	3800 U	ug/kg	3800	4500 U	ug/kg	4500

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319005				20319006				20338001				20338010			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-3-1				BOR-5-3-2				BOR5-4-1				BOR5-4-1B			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Benzoic Acid	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
bis(2-Chloroethoxy) methane	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,4-Dichlorophenol	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
1,2,4-Trichlorobenzene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Naphthalene	10000		ug/kg	6600	15000		ug/kg	1650	2000	J	ug/kg	3800	1800	J	ug/kg	4500
4-Chloroaniline	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Hexachlorobutadiene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
4-Chloro-3-methylphenol	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2-Methylnaphthalene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	4800		ug/kg	3800	4300	J	ug/kg	4500
Hexachlorocyclopentadiene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,4,6-Trichlorophenol	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,4,5-Trichlorophenol	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
2-Chloronaphthalene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2-Nitroaniline	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
Dimethylphthalate	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Acenaphthylene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,6-Dinitrotoluene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
3-Nitroaniline	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
Acenaphthene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,4-Dinitrophenol	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
4-Nitrophenol	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
Dibenzofuran	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
2,4-Dinitrotoluene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Diethylphthalate	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
4-Chlorophenyl-phenylether	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Fluorene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
4-Nitroaniline	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
4,6-Dinitro-2-methylphenol	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
N-Nitrosodiphenylamine (1)	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
4-Bromophenyl-phenylether	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Hexachlorobenzene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Pentachlorophenol	38000	U	ug/kg	32000	9400	U	ug/kg	8000	18000	U	ug/kg	18000	22000	U	ug/kg	22000
Phenanthrene	7800	U	ug/kg	6600	650	J	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Anthracene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Di-n-butylphthalate	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Fluoranthene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Pyrene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Butylbenzylphthalate	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
3,3'-Dichlorobenzidine																
Benzo (a) anthracene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Chrysene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
bis(2-Ethylhexyl) phthalate	7800	U	ug/kg	6600	1300	J	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Di-n-octylphthalate	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Benzo (b) fluoranthene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Benzo (k) fluoranthene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Benzo (a) pyrene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Indeno (1,2,3-cd) pyrene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Dibenz (a,h) anthracene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
Benzo (g,h,i) perylene	7800	U	ug/kg	6600	1900	U	ug/kg	1650	3800	U	ug/kg	3800	4500	U	ug/kg	4500
CLP PESTICIDES/PCBS																
alpha-BHC	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
beta-BHC	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
delta-BHC	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20319005				20319006				20338001				20338010			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-5-3-1				BOR-5-3-2				BOR5-4-1				BOR5-4-1B			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
gamma-BHC (Lindane)	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
Heptachlor	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
Aldrin	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
Heptachlor epoxide	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
Endosulfan I	94	UJ	ug/kg	80	94	UJ	ug/kg	80	46	U	ug/kg	46	22	U	ug/kg	22
Dieldrin	190	UJ	ug/kg	160	190	UJ	ug/kg	160	92	U	ug/kg	92	43	U	ug/kg	43
4,4'-DDE	-				-				-				-			
Endrin	190	UJ	ug/kg	160	190	UJ	ug/kg	160	92	U	ug/kg	92	43	U	ug/kg	43
Endosulfan II	190	UJ	ug/kg	160	190	UJ	ug/kg	160	92	U	ug/kg	92	43	U	ug/kg	43
4,4'-DDD	-				-				-				-			
Endosulfan sulfate	190	UJ	ug/kg	160	190	UJ	ug/kg	160	92	U	ug/kg	92	43	U	ug/kg	43
4,4'-DDT	-				-				-				-			
Methoxychlor	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Endrin ketone	190	UJ	ug/kg	160	190	UJ	ug/kg	160	92	U	ug/kg	92	43	U	ug/kg	43
alpha Chlordane	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
gamma-Chlordane	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Toxaphene	1900	UJ	ug/kg	1600	1900	UJ	ug/kg	1600	920	U	ug/kg	920	430	U	ug/kg	430
Aroclor-1016	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Aroclor-1221	940	U	ug/kg	800	940	U	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Aroclor-1232	940	U	ug/kg	800	940	U	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Aroclor-1242	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Aroclor-1248	940	UJ	ug/kg	800	940	UJ	ug/kg	800	460	U	ug/kg	460	220	U	ug/kg	220
Aroclor-1254	1900	UJ	ug/kg	1600	1900	UJ	ug/kg	1600	920	U	ug/kg	920	220	U	ug/kg	220
Aroclor-1260	940	J	ug/kg	1600	1200	J	ug/kg	1600	320	J	ug/kg	920	370	J	ug/kg	430
CLP METALS AND CYANIDE																
Aluminum	1520		mg/kg	40	4620		mg/kg	40	1130		mg/kg	40	1130		mg/kg	40
Antimony	9.4	UJ	mg/kg	12	9.3	UJ	mg/kg	12	9.3	U	mg/kg	12	9.4	U	mg/kg	12
Arsenic	.31	J	mg/kg	2	.83	J	mg/kg	2	.18	U	mg/kg	2	.18	U	mg/kg	2
Barium	4.3	J	mg/kg	40	9.5	J	mg/kg	40	2.5	J	mg/kg	40	2.2	J	mg/kg	40
Beryllium	.21	UJ	mg/kg	1	.19	UJ	mg/kg	1	.024	UJ	mg/kg	1	.025	UJ	mg/kg	1
Cadmium	.38	U	mg/kg	1	.38	U	mg/kg	1	.37	U	mg/kg	1	.38	U	mg/kg	1
Calcium	488	UJ	mg/kg	1000	163	UJ	mg/kg	1000	409	UJ	mg/kg	1000	512	UJ	mg/kg	1000
Chromium	1.8	J	mg/kg	2	5.4		mg/kg	2	1.7	J	mg/kg	2	1.1	J	mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	1.3	J	mg/kg	5	.99	J	mg/kg	5	2.4	J	mg/kg	5	.34	U	mg/kg	5
Iron	299		mg/kg	20	1160		mg/kg	20	140	J	mg/kg	20	143	J	mg/kg	20
Lead	109	J	mg/kg	1	87.4	J	mg/kg	1	10	J	mg/kg	1	16.3	J	mg/kg	1
Magnesium	29.6	UJ	mg/kg	1000	82.9	J	mg/kg	1000	37.8	UJ	mg/kg	1000	17	UJ	mg/kg	1000
Manganese	2.1	J	mg/kg	3	2.9	J	mg/kg	3	.85	J	mg/kg	3	.41	J	mg/kg	3
Mercury	.1	UJ	mg/kg	.1	.089	UJ	mg/kg	.1	.093	U	mg/kg	.1	.068	U	mg/kg	.1
Nickel	1.6	U	mg/kg	8	2	J	mg/kg	8	1.6	U	mg/kg	8	1.6	U	mg/kg	8
Potassium	41.6	J	mg/kg	1000	113	J	mg/kg	1000	40.9	U	mg/kg	1000	41.4	U	mg/kg	1000
Selenium	.27	UJ	mg/kg	1	.28	J	mg/kg	1	.43	J	mg/kg	1	.35	J	mg/kg	1
Silver	.54	U	mg/kg	2	.54	U	mg/kg	2	.54	U	mg/kg	2	.54	U	mg/kg	2
Sodium	176	UJ	mg/kg	1000	168	UJ	mg/kg	1000	196	UJ	mg/kg	1000	192	UJ	mg/kg	1000
Thallium	.33	UJ	mg/kg	2	.33	U	mg/kg	2	.33	UJ	mg/kg	2	.33	UJ	mg/kg	2
Vanadium	2.7	J	mg/kg	10	4.4	J	mg/kg	10	.62	UJ	mg/kg	10	.63	UJ	mg/kg	10
Zinc	12.2	J	mg/kg	4	7.8	UJ	mg/kg	4	2210		mg/kg	4	3.8	J	mg/kg	4
Cyanide	.42	U	mg/kg	2	.42	U	mg/kg	2	.42	U	mg/kg	2	.43	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338002			20338003			20338004			20338005		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	BOR5-4-2			BOR5-5-1			BOR5-5-2			BOR5-6-1		
Collect Date:	03-DEC-91			03-DEC-91			03-DEC-91			03-DEC-91		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILE COMPOUNDS												
Chloromethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
Bromomethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
Vinyl Chloride	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
Chloroethane	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
Methylene Chloride	920	U ug/kg	760	900	U ug/kg	740	930	U ug/kg	760	900	U ug/kg	740
Acetone	2600	U ug/kg	1500	1500	U ug/kg	1500	1600	U ug/kg	1500	1500	U ug/kg	1500
Carbon Disulfide	-			-			-			-		
1,1-Dichloroethene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
1,1-Dichloroethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
1,2-Dichloroethene (total)	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Chloroform	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
1,2-Dichloroethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
2-Butanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
1,1,1-Trichloroethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Carbon tetrachloride	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Vinyl Acetate	-			-			-			-		
Bromodichloromethane	-			-			-			-		
1,2-Dichloropropane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
cis-1,3-Dichloropropene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Trichloroethene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Dibromochloromethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
1,1,2-Trichloroethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Benzene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
trans-1,3-Dichloropropene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Bromoform	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
4-Methyl-2-pentanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
2-Hexanone	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500	1500	U ug/kg	1500
Tetrachloroethene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Toluene	5400	ug/kg	760	740	U ug/kg	740	400	J ug/kg	760	150	J ug/kg	740
1,1,2,2-Tetrachloroethane	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Chlorobenzene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Ethyl Benzene	6000	ug/kg	760	740	U ug/kg	740	1000	ug/kg	760	740	U ug/kg	740
Styrene	760	U ug/kg	760	740	U ug/kg	740	760	U ug/kg	760	740	U ug/kg	740
Xylenes (total)	29000	ug/kg	760	740	U ug/kg	740	6200	ug/kg	760	980	ug/kg	740
CLP SEMIVOLATILES												
Phenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
bis(2-Chloroethyl) ether	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
2-Chlorophenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
1,3-Dichlorobenzene	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
1,4-Dichlorobenzene	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
Benzyl Alcohol	-			-			-			-		
1,2-Dichlorobenzene	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
2-Methylphenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
bis(2-Chloroisopropyl) ether	-			-			-			-		
4-Methylphenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	1900	J ug/kg	3700
N-Nitroso-di-n-propylamine	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
Hexachloroethane	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
Nitrobenzene	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
Isophorone	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
2-Nitrophenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700
2,4-Dimethylphenol	3900	U ug/kg	3900	3900	U ug/kg	3900	3500	U ug/kg	3500	3700	U ug/kg	3700

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338002				20338003				20338004				20338005			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-4-2				BOR5-5-1				BOR5-5-2				BOR5-6-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Benzoic Acid	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
bis(2-Chloroethoxy) methane	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2,4-Dichlorophenol	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
1,2,4-Trichlorobenzene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Naphthalene	16000		ug/kg	3600	6000		ug/kg	3900	5900		ug/kg	3500	10000		ug/kg	3700
4-Chloroaniline	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Hexachlorobutadiene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
4-Chloro-3-methylphenol	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2-Methylnaphthalene	23000		ug/kg	16000	13000		ug/kg	3900	14000		ug/kg	3500	19000		ug/kg	3700
Hexachlorocyclopentadiene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2,4,6-Trichlorophenol	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2,4,5-Trichlorophenol	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
2-Chloronaphthalene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2-Nitroaniline	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
Dimethylphthalate	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Acenaphthylene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2,6-Dinitrotoluene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
3-Nitroaniline	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
Acenaphthene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
2,4-Dinitrophenol	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
4-Nitrophenol	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
Dibenzofuran	970	J	ug/kg	3900	530	J	ug/kg	3900	490	J	ug/kg	3500	1100	J	ug/kg	3700
2,4-Dinitrotoluene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Diethylphthalate	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
4-Chlorophenyl-phenylether	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Fluorene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
4-Nitroaniline	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
4,6-Dinitro-2-methylphenol	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
N-Nitrosodiphenylamine (1)	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
4-Bromophenyl-phenylether	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Hexachlorobenzene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Pentachlorophenol	19000	U	ug/kg	19000	19000	U	ug/kg	19000	17000	U	ug/kg	17000	18000	U	ug/kg	18000
Phenanthrene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Anthracene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Di-n-butylphthalate	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Fluoranthene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Pyrene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Butylbenzylphthalate	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
3,3'-Dichlorobenzidine	-				-				-				-			
Benzo (a) anthracene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Chrysene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
bis(2-Ethylhexyl) phthalate	460	J	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	410	J	ug/kg	3700
Di-n-octylphthalate	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Benzo (b) fluoranthene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Benzo (k) fluoranthene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Benzo (a) pyrene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Indeno (1,2,3-cd) pyrene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Dibenz (a,h) anthracene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
Benzo (g,h,i) perylene	3900	U	ug/kg	3900	3900	U	ug/kg	3900	3500	U	ug/kg	3500	3700	U	ug/kg	3700
CLP PESTICIDES/PCBS																
alpha-BHC	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
beta-BHC	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
delta-BHC	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338002				20338003				20338004				20338005			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-4-2				BOR5-5-1				BOR5-5-2				BOR5-6-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
gamma-BHC (Lindane)	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
Heptachlor	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
Aldrin	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
Heptachlor epoxide	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
Endosulfan I	95	U	ug/kg	95	94	U	ug/kg	94	42	U	ug/kg	42	90	U	ug/kg	90
Dieldrin	190	U	ug/kg	190	190	U	ug/kg	190	84	U	ug/kg	84	180	U	ug/kg	180
4,4'-DDE	-				-				-				-			
Endrin	190	U	ug/kg	190	190	U	ug/kg	190	84	U	ug/kg	84	180	U	ug/kg	180
Endosulfan II	190	U	ug/kg	190	190	U	ug/kg	190	84	U	ug/kg	84	180	U	ug/kg	180
4,4'-DDD	-				-				-				-			
Endosulfan sulfate	190	U	ug/kg	190	190	U	ug/kg	190	84	U	ug/kg	84	180	U	ug/kg	180
4,4'-DDT	-				-				-				-			
Methoxychlor	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Endrin ketone	190	U	ug/kg	190	190	U	ug/kg	190	84	U	ug/kg	84	180	U	ug/kg	180
alpha Chlordane	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
gamma-Chlordane	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Toxaphene	1900	U	ug/kg	1900	1900	U	ug/kg	1900	840	U	ug/kg	840	1800	U	ug/kg	1800
Aroclor-1016	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Aroclor-1221	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Aroclor-1232	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Aroclor-1242	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Aroclor-1248	950	U	ug/kg	950	940	U	ug/kg	940	420	U	ug/kg	420	900	U	ug/kg	900
Aroclor-1254	1900	U	ug/kg	1900	1900	U	ug/kg	1900	840	U	ug/kg	840	1800	U	ug/kg	1800
Aroclor-1260	610	J	ug/kg	1900	770	J	ug/kg	1900	490	J	ug/kg	840	770	J	ug/kg	1800
CLP METALS AND CYANIDE																
Aluminum	6430		mg/kg	40	882		mg/kg	40	6490		mg/kg	40	938		mg/kg	40
Antimony	9.6	U	mg/kg	12	9.5	U	mg/kg	12	9.5	U	mg/kg	12	9	U	mg/kg	12
Arsenic	.58	J	mg/kg	2	.18	U	mg/kg	2	.29	J	mg/kg	2	.17	U	mg/kg	2
Barium	5.6	UJ	mg/kg	40	6.8	J	mg/kg	40	5.3	J	mg/kg	40	5.1	J	mg/kg	40
Beryllium	.025	U	mg/kg	1	.025	UJ	mg/kg	1	.025	UJ	mg/kg	1	.024	UJ	mg/kg	1
Cadmium	.39	U	mg/kg	1	.59	J	mg/kg	1	.38	U	mg/kg	1	.36	U	mg/kg	1
Calcium	174	UJ	mg/kg	1000	532	UJ	mg/kg	1000	313	UJ	mg/kg	1000	3040	J	mg/kg	1000
Chromium	8.2		mg/kg	2	1	J	mg/kg	2	7.2		mg/kg	2	1.4	J	mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	.78	J	mg/kg	5	.34	U	mg/kg	5	.34	U	mg/kg	5	.52	J	mg/kg	5
Iron	705	J	mg/kg	20	136	J	mg/kg	20	446	J	mg/kg	20	284	J	mg/kg	20
Lead	8.8	J	mg/kg	1	8.7	J	mg/kg	1	10.4	J	mg/kg	1	70.3	J	mg/kg	1
Magnesium	54.1	UJ	mg/kg	1000	44.1	UJ	mg/kg	1000	49.8	UJ	mg/kg	1000	43.4	UJ	mg/kg	1000
Manganese	1.7	J	mg/kg	3	.48	J	mg/kg	3	1.5	J	mg/kg	3	1.5	J	mg/kg	3
Mercury	.089	U	mg/kg	.1	.092	U	mg/kg	.1	.086	U	mg/kg	.1	.085	U	mg/kg	.1
Nickel	2.6	J	mg/kg	8	1.6	U	mg/kg	8	1.7	U	mg/kg	8	1.6	U	mg/kg	8
Potassium	42.5	U	mg/kg	1000	41.7	U	mg/kg	1000	71.8	J	mg/kg	1000	39.8	U	mg/kg	1000
Selenium	.46	J	mg/kg	1	.65	J	mg/kg	1	.34	J	mg/kg	1	.3	J	mg/kg	1
Silver	.56	U	mg/kg	2	.55	U	mg/kg	2	.55	U	mg/kg	2	.52	U	mg/kg	2
Sodium	189	UJ	mg/kg	1000	185	UJ	mg/kg	1000	193	UJ	mg/kg	1000	175	UJ	mg/kg	1000
Thallium	.34	U	mg/kg	2	.33	U	mg/kg	2	.34	UJ	mg/kg	2	.32	UJ	mg/kg	2
Vanadium	3	J	mg/kg	10	.63	UJ	mg/kg	10	2.3	J	mg/kg	10	.74	J	mg/kg	10
Zinc	10.4		mg/kg	4	9.5		mg/kg	4	4.1	J	mg/kg	4	4.5	J	mg/kg	4
Cyanide	.44	U	mg/kg	2	.43	U	mg/kg	2	.43	U	mg/kg	2	.41	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338006				20319007				20338007				20338008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-6-2				BOR-5-7-1				BOR5-7-2				BOR5-8-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS																
Chloromethane	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
Bromomethane	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
Vinyl Chloride	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
Chloroethane	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
Methylene Chloride	890	U	ug/kg	690	14	U	ug/kg	6	880	U	ug/kg	750	35	U	ug/kg	6
Acetone	1400	U	ug/kg	1400	11	U	ug/kg	11	2700	U	ug/kg	1500	12	U	ug/kg	11
Carbon Disulfide	-				-				-				-			
1,1-Dichloroethene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
1,1-Dichloroethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
1,2-Dichloroethene (total)	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Chloroform	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
1,2-Dichloroethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
2-Butanone	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
1,1,1-Trichloroethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Carbon tetrachloride	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Vinyl Acetate	-				-				-				-			
Bromodichloromethane	-				-				-				-			
1,2-Dichloropropane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
cis-1,3-Dichloropropene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Trichloroethene	630	J	ug/kg	690	6	U	ug/kg	6	300	J	ug/kg	750	6	UJ	ug/kg	6
Dibromochloromethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
1,1,2-Trichloroethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Benzene	160	J	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
trans-1,3-Dichloropropene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Bromoform	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
4-Methyl-2-pentanone	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
2-Hexanone	1400	U	ug/kg	1400	11	U	ug/kg	11	1500	U	ug/kg	1500	11	UJ	ug/kg	11
Tetrachloroethene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Toluene	8600		ug/kg	690	6	U	ug/kg	6	330	J	ug/kg	750	6	UJ	ug/kg	6
1,1,2,2-Tetrachloroethane	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Chlorobenzene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Ethyl Benzene	8500		ug/kg	690	6	U	ug/kg	6	250	J	ug/kg	750	6	UJ	ug/kg	6
Styrene	690	U	ug/kg	690	6	U	ug/kg	6	750	U	ug/kg	750	6	UJ	ug/kg	6
Xylenes (total)	55000		ug/kg	690	2	J	ug/kg	6	1300		ug/kg	750	5	J	ug/kg	6
CLP SEMIVOLATILES																
Phenol	14000		ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
bis(2-Chloroethyl) ether	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2-Chlorophenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
1,3-Dichlorobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
1,4-Dichlorobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Benzyl Alcohol	-				-				-				-			
1,2-Dichlorobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2-Methylphenol	4700		ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
bis(2-Chloroisopropyl) ether	-				-				-				-			
4-Methylphenol	42000		ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Hexachloroethane	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Nitrobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Isophorone	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2-Nitrophenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,4-Dimethylphenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338006				20319007				20338007				20338008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-6-2				BOR-5-7-1				BOR5-7-2				BOR5-8-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Benzoic Acid	19000	U	ug/kg	19000	1800	U	ug/kg	330	20000	U	ug/kg	20000	1800	U	ug/kg	1800
bis(2-Chloroethoxy) methane	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,4-Dichlorophenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
1,2,4-Trichlorobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Naphthalene	26000		ug/kg	3900	380	U	ug/kg	330	7900		ug/kg	4000	380	U	ug/kg	380
4-Chloroaniline	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Hexachlorobutadiene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
4-Chloro-3-methylphenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2-Methylnaphthalene	32000		ug/kg	3900	380	U	ug/kg	330	16000		ug/kg	4000	380	U	ug/kg	380
Hexachlorocyclopentadiene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,4,6-Trichlorophenol	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,4,5-Trichlorophenol	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
2-Chloronaphthalene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2-Nitroaniline	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
Dimethylphthalate	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Acenaphthylene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,6-Dinitrotoluene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
3-Nitroaniline	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
Acenaphthene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
2,4-Dinitrophenol	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
4-Nitrophenol	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
Dibenzofuran	1600	J	ug/kg	3900	380	U	ug/kg	330	690	J	ug/kg	4000	380	U	ug/kg	380
2,4-Dinitrotoluene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Diethylphthalate	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
4-Chlorophenyl-phenylether	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Fluorene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
4-Nitroaniline	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
4,6-Dinitro-2-methylphenol	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
4-Bromophenyl-phenylether	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Hexachlorobenzene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Pentachlorophenol	19000	U	ug/kg	19000	1800	U	ug/kg	1600	20000	U	ug/kg	20000	1800	U	ug/kg	1800
Phenanthrene	470	J	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Anthracene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Di-n-butylphthalate	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Fluoranthene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Pyrene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Butylbenzylphthalate	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
3,3'-Dichlorobenzidine	-				-				-				-			
Benzo (a) anthracene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Chrysene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	830	J	ug/kg	3900	96	J	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Di-n-octylphthalate	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Benzo (b) fluoranthene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Benzo (k) fluoranthene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Benzo (a) pyrene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Dibenz (a,h) anthracene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
Benzo (g,h,i) perylene	3900	U	ug/kg	3900	380	U	ug/kg	330	4000	U	ug/kg	4000	380	U	ug/kg	380
CLP PESTICIDES/PCBS																
alpha-BHC	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2
beta-BHC	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2
delta-BHC	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338006				20319007				20338007				20338008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR5-6-2				BOR-5-7-1				BOR5-7-2				BOR5-8-1			
Collect Date:	03-DEC-91				03-DEC-91				03-DEC-91				03-DEC-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
gamma-BHC (Lindane)	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2
Heptachlor	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2
Aldrin	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	9.2
Heptachlor epoxide	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	8
Endosulfan I	47	U	ug/kg	47	46	UJ	ug/kg	40	49	U	ug/kg	49	9.2	U	ug/kg	8
Dieldrin	94	U	ug/kg	94	92	UJ	ug/kg	80	98	U	ug/kg	98	18	U	ug/kg	18
4,4'-DDE	-				-				-				-			
Endrin	94	U	ug/kg	94	92	UJ	ug/kg	80	98	U	ug/kg	98	18	U	ug/kg	18
Endosulfan II	94	U	ug/kg	94	92	UJ	ug/kg	80	98	U	ug/kg	98	18	U	ug/kg	18
4,4'-DDD	-				-				-				-			
Endosulfan sulfate	94	U	ug/kg	94	92	UJ	ug/kg	80	98	U	ug/kg	98	18	U	ug/kg	18
4,4'-DDT	-				-				-				-			
Methoxychlor	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Endrin ketone	94	U	ug/kg	94	92	UJ	ug/kg	80	98	U	ug/kg	98	18	U	ug/kg	18
alpha Chlordane	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
gamma-Chlordane	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Toxaphene	940	U	ug/kg	940	920	UJ	ug/kg	800	980	U	ug/kg	980	180	U	ug/kg	180
Aroclor-1016	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Aroclor-1221	470	U	ug/kg	470	460	U	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Aroclor-1232	470	U	ug/kg	470	460	U	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Aroclor-1242	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Aroclor-1248	470	U	ug/kg	470	460	UJ	ug/kg	400	490	U	ug/kg	490	92	U	ug/kg	92
Aroclor-1254	940	U	ug/kg	940	920	UJ	ug/kg	800	980	U	ug/kg	980	180	U	ug/kg	180
Aroclor-1260	700	J	ug/kg	940	580	J	ug/kg	800	700	J	ug/kg	980	180	U	ug/kg	180
CLP METALS AND CYANIDE																
Aluminum	4910		mg/kg	40	1310		mg/kg	40	3680		mg/kg	40	1200		mg/kg	40
Antimony	9.3	U	mg/kg	12	12.5	UJ	mg/kg	12	9.7	U	mg/kg	12	9.1	U	mg/kg	12
Arsenic	.25	J	mg/kg	2	.28	J	mg/kg	2	.18	U	mg/kg	2	.17	U	mg/kg	2
Barium	7.6	J	mg/kg	40	3.6	J	mg/kg	40	3.4	J	mg/kg	40	28.2	J	mg/kg	40
Beryllium	.025	UJ	mg/kg	1	.29	UJ	mg/kg	1	.025	UJ	mg/kg	1	.024	UJ	mg/kg	1
Cadmium	.38	U	mg/kg	1	.51	U	mg/kg	1	.48	J	mg/kg	1	.49	J	mg/kg	1
Calcium	1350	J	mg/kg	1000	38700		mg/kg	1000	1480	J	mg/kg	1000	233	UJ	mg/kg	1000
Chromium	5		mg/kg	2	3	J	mg/kg	2	6.1		mg/kg	2	1.6	J	mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.6	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Copper	.33	U	mg/kg	5	3.2	J	mg/kg	5	.35	J	mg/kg	5	.33	U	mg/kg	5
Iron	773	J	mg/kg	20	320		mg/kg	20	287	J	mg/kg	20	109	J	mg/kg	20
Lead	38	J	mg/kg	1	6.3	J	mg/kg	1	5	J	mg/kg	1	2.5	J	mg/kg	1
Magnesium	53.4	UJ	mg/kg	1000	282	J	mg/kg	1000	41.3	UJ	mg/kg	1000	14	UJ	mg/kg	1000
Manganese	2.1	J	mg/kg	3	6.8		mg/kg	3	.69	J	mg/kg	3	.49	J	mg/kg	3
Mercury	.083	U	mg/kg	.1	.12	UJ	mg/kg	.1	.095	U	mg/kg	.1	.074	U	mg/kg	.1
Nickel	1.9	J	mg/kg	8	2.2	U	mg/kg	8	1.7	U	mg/kg	8	1.6	U	mg/kg	8
Potassium	152	J	mg/kg	1000	55.4	U	mg/kg	1000	42.7	U	mg/kg	1000	40.2	U	mg/kg	1000
Selenium	.63	J	mg/kg	1	.36	UJ	mg/kg	1	.37	J	mg/kg	1	.72	J	mg/kg	1
Silver	.54	U	mg/kg	2	.73	U	mg/kg	2	.56	U	mg/kg	2	.53	U	mg/kg	2
Sodium	214	UJ	mg/kg	1000	231	UJ	mg/kg	1000	189	UJ	mg/kg	1000	168	UJ	mg/kg	1000
Thallium	.33	UJ	mg/kg	2	.44	U	mg/kg	2	.34	UJ	mg/kg	2	.37	J	mg/kg	2
Vanadium	2.6	J	mg/kg	10	2	J	mg/kg	10	2.3	J	mg/kg	10	.61	UJ	mg/kg	10
Zinc	4.2	J	mg/kg	4	6.8	UJ	mg/kg	4	12.9		mg/kg	4	7		mg/kg	4
Cyanide	.42	U	mg/kg	2	.57	U	mg/kg	2	.44	U	mg/kg	2	.41	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338009			
Site	CECIL			
Locator	BOR5-8-2			
Collect Date:	03-DEC-91			
	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS				
Chloromethane	12	UJ	ug/kg	12
Bromomethane	12	UJ	ug/kg	12
Vinyl Chloride	12	UJ	ug/kg	12
Chloroethane	12	UJ	ug/kg	12
Methylene Chloride	31	UJ	ug/kg	6
Acetone	12	U	ug/kg	12
Carbon Disulfide	-			
1,1-Dichloroethene	6	UJ	ug/kg	6
1,1-Dichloroethane	6	UJ	ug/kg	6
1,2-Dichloroethene (total)	6	UJ	ug/kg	6
Chloroform	6	UJ	ug/kg	6
1,2-Dichloroethane	6	UJ	ug/kg	6
2-Butanone	12	UJ	ug/kg	12
1,1,1-Trichloroethane	6	UJ	ug/kg	6
Carbon tetrachloride	6	UJ	ug/kg	6
Vinyl Acetate	-			
Bromodichloromethane	-			
1,2-Dichloropropane	6	UJ	ug/kg	6
cis-1,3-Dichloropropene	6	UJ	ug/kg	6
Trichloroethene	6	UJ	ug/kg	6
Dibromochloromethane	6	UJ	ug/kg	6
1,1,2-Trichloroethane	6	UJ	ug/kg	6
Benzene	6	UJ	ug/kg	6
trans-1,3-Dichloropropene	6	UJ	ug/kg	6
Bromoform	6	UJ	ug/kg	6
4-Methyl-2-pentanone	12	UJ	ug/kg	12
2-Hexanone	12	UJ	ug/kg	12
Tetrachloroethene	6	UJ	ug/kg	6
Toluene	6	UJ	ug/kg	6
1,1,2,2-Tetrachloroethane	6	UJ	ug/kg	6
Chlorobenzene	6	UJ	ug/kg	6
Ethyl Benzene	6	UJ	ug/kg	6
Styrene	6	UJ	ug/kg	6
Xylenes (total)	4	UJ	ug/kg	6
CLP SEMIVOLATILES				
Phenol	380	U	ug/kg	380
bis(2-Chloroethyl) ether	380	U	ug/kg	380
2-Chlorophenol	380	U	ug/kg	380
1,3-Dichlorobenzene	380	U	ug/kg	380
1,4-Dichlorobenzene	380	U	ug/kg	380
Benzyl Alcohol	-			
1,2-Dichlorobenzene	380	U	ug/kg	380
2-Methylphenol	380	U	ug/kg	380
bis(2-Chloroisopropyl) ether	-			
4-Methylphenol	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	380	U	ug/kg	380
Hexachloroethane	380	U	ug/kg	380
Nitrobenzene	380	U	ug/kg	380
Isophorone	380	U	ug/kg	380
2-Nitrophenol	380	U	ug/kg	380
2,4-Dimethylphenol	380	U	ug/kg	380

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338009			
Site	CECIL			
Locator	BOR5-8-2			
Collect Date:	03-DEC-91			
	VALUE	QUAL	UNITS	DL
Benzoic Acid	1900	U	ug/kg	1900
bis(2-Chloroethoxy) methane	380	U	ug/kg	380
2,4-Dichlorophenol	380	U	ug/kg	380
1,2,4-Trichlorobenzene	380	U	ug/kg	380
Naphthalene	380	U	ug/kg	380
4-Chloroaniline	380	U	ug/kg	380
Hexachlorobutadiene	380	U	ug/kg	380
4-Chloro-3-methylphenol	380	U	ug/kg	380
2-Methylnaphthalene	380	U	ug/kg	380
Hexachlorocyclopentadiene	380	U	ug/kg	380
2,4,6-Trichlorophenol	380	U	ug/kg	380
2,4,5-Trichlorophenol	1900	U	ug/kg	1900
2-Chloronaphthalene	380	U	ug/kg	380
2-Nitroaniline	1900	U	ug/kg	1900
Dimethylphthalate	380	U	ug/kg	380
Acenaphthylene	380	U	ug/kg	380
2,6-Dinitrotoluene	380	U	ug/kg	380
3-Nitroaniline	1900	U	ug/kg	1900
Acenaphthene	380	U	ug/kg	380
2,4-Dinitrophenol	1900	U	ug/kg	1900
4-Nitrophenol	1900	U	ug/kg	1900
Dibenzofuran	380	U	ug/kg	380
2,4-Dinitrotoluene	380	U	ug/kg	380
Diethylphthalate	380	U	ug/kg	380
4-Chlorophenyl-phenylether	380	U	ug/kg	380
Fluorene	380	U	ug/kg	380
4-Nitroaniline	1900	U	ug/kg	1900
4,6-Dinitro-2-methylphenol	1900	U	ug/kg	1900
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380
4-Bromophenyl-phenylether	380	U	ug/kg	380
Hexachlorobenzene	380	U	ug/kg	380
Pentachlorophenol	1900	U	ug/kg	1900
Phenanthrene	380	U	ug/kg	380
Anthracene	380	U	ug/kg	380
Di-n-butylphthalate	380	U	ug/kg	380
Fluoranthene	380	U	ug/kg	380
Pyrene	380	U	ug/kg	380
Butylbenzylphthalate	380	U	ug/kg	380
3,3'-Dichlorobenzidine				
Benzo (a) anthracene	380	U	ug/kg	380
Chrysene	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380
Di-n-octylphthalate	380	U	ug/kg	380
Benzo (b) fluoranthene	380	U	ug/kg	380
Benzo (k) fluoranthene	380	U	ug/kg	380
Benzo (a) pyrene	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380
Dibenz (a,h) anthracene	380	U	ug/kg	380
Benzo (g,h,i) perylene	380	U	ug/kg	380
CLP PESTICIDES/PCBS				
alpha-BHC	9.3	U	ug/kg	9.3
beta-BHC	9.3	U	ug/kg	9.3
delta-BHC	9.3	U	ug/kg	9.3

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20338009			
Site	CECIL			
Locator	BOR5-8-2			
Collect Date:	03-DEC-91			
	VALUE	QUAL	UNITS	DL
gamma-BHC (Lindane)	9.3	U	ug/kg	9.3
Heptachlor	9.3	U	ug/kg	9.3
Aldrin	9.3	U	ug/kg	9.3
Heptachlor epoxide	9.3	U	ug/kg	9.3
Endosulfan I	9.3	U	ug/kg	9.3
Dieldrin	19	U	ug/kg	19
4,4'-DDE	-			
Endrin	19	U	ug/kg	19
Endosulfan II	19	U	ug/kg	19
4,4'-DDD	-			
Endosulfan sulfate	19	U	ug/kg	19
4,4'-DDT	-			
Methoxychlor	93	U	ug/kg	93
Endrin ketone	19	U	ug/kg	19
alpha Chlordane	93	U	ug/kg	93
gamma-Chlordane	93	U	ug/kg	93
Toxaphene	190	U	ug/kg	190
Aroclor-1016	93	U	ug/kg	93
Aroclor-1221	93	U	ug/kg	93
Aroclor-1232	93	U	ug/kg	93
Aroclor-1242	93	U	ug/kg	93
Aroclor-1248	93	U	ug/kg	93
Aroclor-1254	190	U	ug/kg	190
Aroclor-1260	190	U	ug/kg	190
CLP METALS AND CYANIDE				
Aluminum	1670		mg/kg	40
Antimony	9.4	U	mg/kg	12
Arsenic	.18	U	mg/kg	2
Barium	3.4	J	mg/kg	40
Beryllium	.025	UJ	mg/kg	1
Cadmium	.38	U	mg/kg	1
Calcium	430	UJ	mg/kg	1000
Chromium	2.4		mg/kg	2
Cobalt	1.2	U	mg/kg	10
Copper	.37	J	mg/kg	5
Iron	167	J	mg/kg	20
Lead	2.4	J	mg/kg	1
Magnesium	26.2	UJ	mg/kg	1000
Manganese	.57	J	mg/kg	3
Mercury	.078	U	mg/kg	.1
Nickel	1.6	U	mg/kg	8
Potassium	41.4	U	mg/kg	1000
Selenium	.51	J	mg/kg	1
Silver	.54	U	mg/kg	2
Sodium	176	UJ	mg/kg	1000
Thallium	.33	UJ	mg/kg	2
Vanadium	.63	UJ	mg/kg	10
Zinc	4.3	J	mg/kg	4
Cyanide	.42	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS																
Chloromethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Bromomethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Vinyl Chloride	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Chloroethane	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Methylene Chloride	29000		ug/kg	790	820	U	ug/kg	820	170		ug/kg	31	60000		ug/kg	740
Acetone	2000	UJ	ug/kg	1600	1700	U	ug/kg	1600	1100		ug/kg	62	2300	UJ	ug/kg	1500
Carbon Disulfide	-				-				-				-			
1,1-Dichloroethene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,1-Dichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,2-Dichloroethene (total)	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Chloroform	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,2-Dichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
2-Butanone	1600	U	ug/kg	1600	1600	U	ug/kg	1600	150		ug/kg	62	1500	U	ug/kg	1500
1,1,1-Trichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Carbon tetrachloride	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Vinyl Acetate	-				-				-				-			
Bromodichloromethane	-				-				-				-			
1,2-Dichloropropane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
cis-1,3-Dichloropropene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Trichloroethene	790	U	ug/kg	790	820	U	ug/kg	820	13	J	ug/kg	31	790		ug/kg	740
Dibromochloromethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
1,1,2-Trichloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Benzene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
trans-1,3-Dichloropropene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Bromoform	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
4-Methyl-2-pentanone	1600	U	ug/kg	1600	840	J	ug/kg	1600	84		ug/kg	62	1500	U	ug/kg	1500
2-Hexanone	1600	U	ug/kg	1600	1600	U	ug/kg	1600	62	U	ug/kg	62	1500	U	ug/kg	1500
Tetrachloroethene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Toluene	1600		ug/kg	790	730	J	ug/kg	820	140		ug/kg	31	1100		ug/kg	740
1,1,2,2-Tetrachloroethane	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Chlorobenzene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Ethyl Benzene	700	J	ug/kg	790	490	J	ug/kg	820	20	J	ug/kg	31	1500		ug/kg	740
Styrene	790	U	ug/kg	790	820	U	ug/kg	820	31	U	ug/kg	31	740	U	ug/kg	740
Xylenes (total)	4200		ug/kg	790	3300		ug/kg	1600	110		ug/kg	62	12000		ug/kg	740
CLP SEMIVOLATILES																
Phenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Chloroethyl) ether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Chlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,3-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,4-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzyl Alcohol	-				-				-				-			
1,2-Dichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Chloroisopropyl) ether	-				-				-				-			
4-Methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
N-Nitroso-di-n-propylamine	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachloroethane	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Nitrobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Isophorone	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Nitrophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dimethylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzoic Acid	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dichlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
1,2,4-Trichlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Naphthalene	1600	J	ug/kg	4000	9100		ug/kg	4100	4100	U	ug/kg	4100	6200		ug/kg	4000
4-Chloroaniline	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorobutadiene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Chloro-3-methylphenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Methylnaphthalene	4000	U	ug/kg	4000	16000		ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorocyclopentadiene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4,6-Trichlorophenol	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4,5-Trichlorophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
2-Chloronaphthalene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Dimethylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Acenaphthylene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,6-Dinitrotoluene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
3-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Acenaphthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dinitrophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
4-Nitrophenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Dibenzofuran	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
2,4-Dinitrotoluene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Diethylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Fluorene	4000	U	ug/kg	4000	1400	J	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Nitroaniline	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
4,6-Dinitro-2-methylphenol	19000	U	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Hexachlorobenzene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Pentachlorophenol	1800	J	ug/kg	19000	20000	U	ug/kg	20000	20000	U	ug/kg	20000	19000	U	ug/kg	19000
Phenanthrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Di-n-butylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Fluoranthene	520	J	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Butylbenzylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
3,3'-Dichlorobenzidine	-				-				-				-			
Benzo (a) anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Chrysene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	6000		ug/kg	4100	840	J	ug/kg	4100	4000	U	ug/kg	4000
Di-n-octylphthalate	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (b) fluoranthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (k) fluoranthene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (a) pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Dibenz (a,h) anthracene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	4100	U	ug/kg	4100	4100	U	ug/kg	4100	4000	U	ug/kg	4000
CLP PESTICIDES/PCBS																
alpha-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
beta-BHC	10		ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
delta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
gamma-BHC (Lindane)	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065007				20065009				20065010				20065011			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-17-1-1				BOR-17-1-2				BOR-17-2-1				BOR-17-2-2			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Heptachlor	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
Aldrin	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
Heptachlor epoxide	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
Endosulfan I	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	10	U	ug/kg	10	9.6	U	ug/kg	9.6
Dieldrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19
4,4'-DDE	-				-				-				-			
Endrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19
Endosulfan II	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19
4,4'-DDD	-				-				-				-			
Endosulfan sulfate	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19
4,4'-DDT	-				-				-				-			
Methoxychlor	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Endrin ketone	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20	19	U	ug/kg	19
alpha Chlordane	9.6	U	ug/kg	9.6	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
gamma-Chlordane	9.6	U	ug/kg	9.6	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Toxaphene	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200	190	U	ug/kg	190
Aroclor-1016	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Aroclor-1221	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Aroclor-1232	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Aroclor-1242	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Aroclor-1248	96	U	ug/kg	96	99	U	ug/kg	99	100	U	ug/kg	100	96	U	ug/kg	96
Aroclor-1254	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200	190	U	ug/kg	190
Aroclor-1260	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200	190	U	ug/kg	190
CLP METALS AND CYANIDE																
Aluminum	681		mg/kg	40	911		mg/kg	40	547		mg/kg	40	706		mg/kg	40
Antimony	9.7	UJ	mg/kg	12	9.7	UJ	mg/kg	12	9.9	UJ	mg/kg	12	9.7	UJ	mg/kg	12
Arsenic	.29	UJ	mg/kg	2	.26	UJ	mg/kg	2	.22	UJ	mg/kg	2	.18	UJ	mg/kg	2
Barium	2.1	J	mg/kg	40	1.7	J	mg/kg	40	1.9	J	mg/kg	40	.95	J	mg/kg	40
Beryllium	.025	U	mg/kg	1	.026	U	mg/kg	1	.026	U	mg/kg	1	.025	U	mg/kg	1
Cadmium	.39	U	mg/kg	1	.39	U	mg/kg	1	.4	U	mg/kg	1	.39	U	mg/kg	1
Calcium	775	J	mg/kg	1000	302	J	mg/kg	1000	396	J	mg/kg	1000	191	UJ	mg/kg	1000
Chromium	2.1	J	mg/kg	2	1.8	J	mg/kg	2	4.7		mg/kg	2	7.2		mg/kg	2
Cobalt	1.2	U	mg/kg	10	1.2	U	mg/kg	10	1.3	U	mg/kg	10	1.2	U	mg/kg	10
Copper	1.8	UJ	mg/kg	5	1.2	UJ	mg/kg	5	2.3	UJ	mg/kg	5	6.3		mg/kg	5
Iron	149	J	mg/kg	20	104	J	mg/kg	20	93.8	J	mg/kg	20	113	J	mg/kg	20
Lead	2.5		mg/kg	1	1.9		mg/kg	1	4.8		mg/kg	1	2.1		mg/kg	1
Magnesium	42.8	UJ	mg/kg	1000	24.4	UJ	mg/kg	1000	21	UJ	mg/kg	1000	44.7	UJ	mg/kg	1000
Manganese	3.5	J	mg/kg	3	1.4	J	mg/kg	3	1.5	J	mg/kg	3	3.4	J	mg/kg	3
Mercury	.077	U	mg/kg	.1	.061	U	mg/kg	.1	.075	U	mg/kg	.1	.063	U	mg/kg	.1
Nickel	1.7	U	mg/kg	8	1.7	U	mg/kg	8	3.4	J	mg/kg	8	1.7	U	mg/kg	8
Potassium	42.7	U	mg/kg	1000	42.9	U	mg/kg	1000	43.5	U	mg/kg	1000	42.6	U	mg/kg	1000
Selenium	.45	J	mg/kg	1	.28	U	mg/kg	1	.43	J	mg/kg	1	.28	U	mg/kg	1
Silver	.56	U	mg/kg	2	.56	U	mg/kg	2	.57	U	mg/kg	2	.56	U	mg/kg	2
Sodium	156	UJ	mg/kg	1000	109	UJ	mg/kg	1000	83.5	UJ	mg/kg	1000	87.2	UJ	mg/kg	1000
Thallium	.34	U	mg/kg	2	.34	U	mg/kg	2	.35	U	mg/kg	2	.34	U	mg/kg	2
Vanadium	.65	U	mg/kg	10	.65	U	mg/kg	10	.72	J	mg/kg	10	.64	U	mg/kg	10
Zinc	5.8		mg/kg	4	2.4	J	mg/kg	4	1.8	J	mg/kg	4	2.7	J	mg/kg	4
Cyanide	.44	U	mg/kg	2	.44	U	mg/kg	2	.45	U	mg/kg	2	.44	J	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILE COMPOUNDS												
Chloromethane	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Bromomethane	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Vinyl Chloride	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Chloroethane	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Methylene Chloride	60	U	ug/kg	6	83		ug/kg	6	2400	U	ug/kg	1600
Acetone	81	U	ug/kg	11	150	U	ug/kg	12	2000	U	ug/kg	1600
Carbon Disulfide	-				-				-			
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
2-Butanone	11	U	ug/kg	11	8	J	ug/kg	12	1600	U	ug/kg	1600
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Vinyl Acetate	-				-				-			
Bromodichloromethane	-				-				-			
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
4-Methyl-2-pentanone	45		ug/kg	11	71		ug/kg	12	1600	U	ug/kg	1600
2-Hexanone	11	U	ug/kg	11	12	U	ug/kg	12	1600	U	ug/kg	1600
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Toluene	6	U	ug/kg	6	3	J	ug/kg	6	1200		ug/kg	780
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Ethyl Benzene	6	U	ug/kg	6	6	U	ug/kg	6	730	J	ug/kg	780
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	780	U	ug/kg	780
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	5000		ug/kg	780
CLP SEMIVOLATILES												
Phenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
bis(2-Chloroethyl) ether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Chlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,3-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,4-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzyl Alcohol	-				-				-			
1,2-Dichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Methylphenol	170	J	ug/kg	420	56	J	ug/kg	410	4100	U	ug/kg	4100
bis(2-Chloroisopropyl) ether	-				-				-			
4-Methylphenol	170	J	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachloroethane	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Nitrobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Isophorone	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Nitrophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dimethylphenol	210	J	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Benzoic Acid	390	J	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dichlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
1,2,4-Trichlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Naphthalene	420	U	ug/kg	420	410	U	ug/kg	410	1600	J	ug/kg	4100
4-Chloroaniline	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorobutadiene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Chloro-3-methylphenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Methylnaphthalene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorocyclopentadiene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4,6-Trichlorophenol	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4,5-Trichlorophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
2-Chloronaphthalene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Dimethylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Acenaphthylene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,6-Dinitrotoluene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
3-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Acenaphthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dinitrophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
4-Nitrophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	UJ	ug/kg	20000
Dibenzofuran	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
2,4-Dinitrotoluene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Diethylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Chlorophenyl-phenylether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Fluorene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Nitroaniline	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
4,6-Dinitro-2-methylphenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
4-Bromophenyl-phenylether	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Hexachlorobenzene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Pentachlorophenol	2100	U	ug/kg	2100	2000	U	ug/kg	2000	20000	U	ug/kg	20000
Phenanthrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Di-n-butylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Butylbenzylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
3,3'-Dichlorobenzidine	-				-				-			
Benzo (a) anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Chrysene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
bis(2-Ethylhexyl) phthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Di-n-octylphthalate	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (b) fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (k) fluoranthene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (a) pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Dibenz (a,h) anthracene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
Benzo (g,h,i) perylene	420	U	ug/kg	420	410	U	ug/kg	410	4100	U	ug/kg	4100
CLP PESTICIDES/PCBS												
alpha-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
beta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	15		ug/kg	9.9
delta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
1991 DATA -- SUBSURFACE SOIL

Lab Sample Number:	20065012				20065013				20065008			
Site	CECIL				CECIL				CECIL			
Locator	BOR-17-3-1				BOR-17-3-2				BOR-17-4-1			
Collect Date:	06-NOV-91				06-NOV-91				06-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
gamma-BHC (Lindane)	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Heptachlor	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Aldrin	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Heptachlor epoxide	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Endosulfan I	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	9.9	U	ug/kg	9.9
Dieldrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDE	-				-				-			
Endrin	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
Endosulfan II	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDD	-				-				-			
Endosulfan sulfate	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
4,4'-DDT	-				-				-			
Methoxychlor	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Endrin ketone	19	U	ug/kg	19	20	U	ug/kg	20	20	U	ug/kg	20
alpha Chlordane	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
gamma-Chlordane	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Toxaphene	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1221	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1232	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1242	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1248	96	U	ug/kg	96	99	U	ug/kg	99	99	U	ug/kg	99
Aroclor-1254	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1260	190	U	ug/kg	190	200	U	ug/kg	200	200	U	ug/kg	200
CLP METALS AND CYANIDE												
Aluminum	1030		mg/kg	40	778		mg/kg	40	743		mg/kg	40
Antimony	10.4	UJ	mg/kg	12	9.8	UJ	mg/kg	12	10.1	UJ	mg/kg	12
Arsenic	.2	UJ	mg/kg	2	.19	UJ	mg/kg	2	.19	UJ	mg/kg	2
Barium	13.1	J	mg/kg	40	1.9	J	mg/kg	40	2.2	J	mg/kg	40
Beryllium	.21	UJ	mg/kg	1	.026	U	mg/kg	1	.027	U	mg/kg	1
Cadmium	.42	U	mg/kg	1	.4	U	mg/kg	1	.41	U	mg/kg	1
Calcium	659	J	mg/kg	1000	132	UJ	mg/kg	1000	1120	J	mg/kg	1000
Chromium	41.2		mg/kg	2	3.4		mg/kg	2	1.6	J	mg/kg	2
Cobalt	1.3	U	mg/kg	10	1.3	U	mg/kg	10	1.3	U	mg/kg	10
Copper	2.8	J	mg/kg	5	.94	UJ	mg/kg	5	1.7	UJ	mg/kg	5
Iron	191	J	mg/kg	20	107	J	mg/kg	20	144	J	mg/kg	20
Lead	27.6		mg/kg	1	1.8		mg/kg	1	4.4		mg/kg	1
Magnesium	35.8	UJ	mg/kg	1000	19.8	UJ	mg/kg	1000	42.6	UJ	mg/kg	1000
Manganese	2.4	J	mg/kg	3	1.4	J	mg/kg	3	3.4	J	mg/kg	3
Mercury	.079	U	mg/kg	.1	.078	U	mg/kg	.1	.065	U	mg/kg	.1
Nickel	1.8	U	mg/kg	8	1.7	U	mg/kg	8	1.8	U	mg/kg	8
Potassium	45.9	U	mg/kg	1000	43.4	U	mg/kg	1000	44.7	U	mg/kg	1000
Selenium	.3	U	mg/kg	1	.28	U	mg/kg	1	.33	J	mg/kg	1
Silver	.6	U	mg/kg	2	.57	U	mg/kg	2	.59	U	mg/kg	2
Sodium	79.2	UJ	mg/kg	1000	76.7	UJ	mg/kg	1000	97.2	UJ	mg/kg	1000
Thallium	.37	U	mg/kg	2	.35	U	mg/kg	2	.36	U	mg/kg	2
Vanadium	1.3	J	mg/kg	10	.66	U	mg/kg	10	.68	U	mg/kg	10
Zinc	8.1		mg/kg	4	1.5	J	mg/kg	4	12.9		mg/kg	4
Cyanide	.47	U	mg/kg	2	.44	U	mg/kg	2	.46	U	mg/kg	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

SITE 5 GROUNDWATER DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	67	U	ug/l	67	50	U	ug/l	50	62	U	ug/l	62	100	U	ug/l	100
Bromomethane	67	U	ug/l	67	50	U	ug/l	50	62	U	ug/l	62	100	U	ug/l	100
Vinyl chloride	67	U	ug/l	67	50	U	ug/l	50	62	U	ug/l	62	100	U	ug/l	100
Chloroethane	67	U	ug/l	67	50	U	ug/l	50	62	U	ug/l	62	100	U	ug/l	100
Methylene chloride	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Acetone	780	J	ug/l	67	860	J	ug/l	50	700	J	ug/l	62	1100	J	ug/l	100
Carbon disulfide	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,1-Dichloroethene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,1-Dichloroethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,2-Dichloroethene (total)	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Chloroform	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,2-Dichloroethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
2-Butanone	67	U	ug/l	67	50	U	ug/l	50	62	U	ug/l	62	100	U	ug/l	100
1,1,1-Trichloroethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Carbon tetrachloride	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Bromodichloromethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,2-Dichloropropane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
cis-1,3-Dichloropropene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Trichloroethene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Dibromochloromethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
1,1,2-Trichloroethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Benzene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
trans-1,3-Dichloropropene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Bromoform	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
4-Methyl-2-pentanone	68	J	ug/l	67	180	J	ug/l	50	53	J	ug/l	62	100	R	ug/l	100
2-Hexanone	35	J	ug/l	67	50	R	ug/l	50	60	J	ug/l	62	100	R	ug/l	100
Tetrachloroethene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Toluene	170	J	ug/l	67	130	J	ug/l	50	71	J	ug/l	62	71		ug/l	100
1,1,2,2-Tetrachloroethane	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Chlorobenzene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Ethylbenzene	33	U	ug/l	33	30		ug/l	50	31	U	ug/l	31	50	U	ug/l	50
Styrene	33	U	ug/l	33	25	U	ug/l	25	31	U	ug/l	31	50	U	ug/l	50
Xylenes (total)	140		ug/l	67	120		ug/l	50	56		ug/l	62	50	U	ug/l	50

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW6SR				CF5MW7S				CF5MW7ST				CF58S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW6SR				CF5MW7S				CF5MW7ST				CF58S			
Collect Date:	02-DEC-93				01-DEC-93				01-DEC-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2		ug/l	2	8	U	ug/l	8	6	J	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF59I				CF59IR				CF59IT				CF510S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF59I				CF59IR				CF59IT				CF510S			
Collect Date:	16-NOV-93				16-NOV-93				16-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF511I				CF512D				CF513S				CF513SR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF511I				CF512D				CF513S				CF513SR			
Collect Date:	15-NOV-93				15-NOV-93				14-NOV-93				14-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	5	J	ug/l	2	1	J	ug/l	2	4	J	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF513ST				CF514I				CF515D				CF5MW16S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF513ST				CF514I				CF515D				CF5MW16S			
Collect Date:	14-NOV-93				14-NOV-93				14-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	3	J	ug/l	2	8	J	ug/l	2	34	J	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2		ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW17I				CF5MW18D				CF5MW18DR				CF5MW19S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW17I				CF5MW18D				CF5MW18DR				CF5MW19S			
Collect Date:	30-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	380		ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	33	U	ug/l	33	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	33	R	ug/l	33	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	17	U	ug/l	17	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW19SD				CF5MW19ST				CF5MW20S				CF5MW21I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19SD				CF5MW19ST				CF5MW20S				CF5MW21I			
Collect Date:	30-NOV-93				30-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW22D				CF5MW23S				CF5MW23ST				CF524S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW22D				CF5MW23S				CF5MW23ST				CF524S			
Collect Date:	29-NOV-93				29-NOV-93				29-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	7	J	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF525I				CF526D				CF527S				CF5MW28D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF525I				CF526D				CF527S				CF5MW28D			
Collect Date:	16-NOV-93				16-NOV-93				16-NOV-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	29	J	ug/l	2	2	U	ug/l	2	20	J	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	2		ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW28DD				CF5MW29S				CF5MW29SD				CF5MW29SMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW28DD				CF5MW29S				CF5MW29SD				CF5MW29SMS			
Collect Date:	01-DEC-93				17-NOV-93				17-NOV-93				17-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	9		ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	9		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW29SMS				CF5MW29ST				CF5MW30S				CF5MW30SMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW29SMSD				CF5MW29ST				CF5MW30S				CF5MW30SMS			
Collect Date:	17-NOV-93				17-NOV-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	5	U	ug/l	5	5	U	ug/l	5
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	5	U	ug/l	5	5	U	ug/l	5
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	5	U	ug/l	5	5	U	ug/l	5
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	5	U	ug/l	5	5	U	ug/l	5
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Acetone	2	U	ug/l	2	2	U	ug/l	2	84	J	ug/l	5	98		ug/l	5
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
1,1-Dichloroethene	9		ug/l	2	1	U	ug/l	1	2	U	ug/l	2	25		ug/l	5
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Chloroform	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	6		ug/l	5	6		ug/l	5
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Trichloroethene	10		ug/l	2	1	U	ug/l	1	2	U	ug/l	2	24		ug/l	5
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Benzene	10		ug/l	2	1	U	ug/l	1	16		ug/l	5	41		ug/l	5
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Bromoform	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	7	J	ug/l	5	5	U	ug/l	5
2-Hexanone	2	U	ug/l	2	2	R	ug/l	2	5	R	ug/l	5	5	U	ug/l	5
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Toluene	10		ug/l	2	1	U	ug/l	1	21	J	ug/l	5	39		ug/l	5
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Chlorobenzene	10		ug/l	2	1	U	ug/l	1	2	U	ug/l	2	21		ug/l	5
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	11		ug/l	5	10		ug/l	5
Styrene	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2	2	U	ug/l	2
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	83		ug/l	5	73		ug/l	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF5MW30SMS				CF5MW30ST			
Site	CECIL2				CECIL2			
Locator	CF5MW30SMSD				CF5MW30ST			
Collect Date:	02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	5	U	ug/l	5	2	U	ug/l	2
Bromomethane	5	U	ug/l	5	2	U	ug/l	2
Vinyl chloride	5	U	ug/l	5	2	U	ug/l	2
Chloroethane	5	U	ug/l	5	2	U	ug/l	2
Methylene chloride	2	U	ug/l	2	1	U	ug/l	1
Acetone	190		ug/l	5	2	U	ug/l	2
Carbon disulfide	2	U	ug/l	2	1	U	ug/l	1
1,1-Dichloroethene	26		ug/l	5	1	U	ug/l	1
1,1-Dichloroethane	2	U	ug/l	2	1	U	ug/l	1
1,2-Dichloroethene (total)	2	U	ug/l	2	1	U	ug/l	1
Chloroform	2	U	ug/l	2	1	U	ug/l	1
1,2-Dichloroethane	2	U	ug/l	2	1	U	ug/l	1
2-Butanone	13		ug/l	5	2	U	ug/l	2
1,1,1-Trichloroethane	2	U	ug/l	2	1	U	ug/l	1
Carbon tetrachloride	2	U	ug/l	2	1	U	ug/l	1
Bromodichloromethane	2	U	ug/l	2	1	U	ug/l	1
1,2-Dichloropropane	2	U	ug/l	2	1	U	ug/l	1
cis-1,3-Dichloropropene	2	U	ug/l	2	1	U	ug/l	1
Trichloroethene	24		ug/l	5	1	U	ug/l	1
Dibromochloromethane	2	U	ug/l	2	1	U	ug/l	1
1,1,2-Trichloroethane	2	U	ug/l	2	1	U	ug/l	1
Benzene	47		ug/l	5	1	U	ug/l	1
trans-1,3-Dichloropropene	2	U	ug/l	2	1	U	ug/l	1
Bromoform	2	U	ug/l	2	1	U	ug/l	1
4-Methyl-2-pentanone	5	U	ug/l	5	2	R	ug/l	2
2-Hexanone	5	U	ug/l	5	2	R	ug/l	2
Tetrachloroethene	2	U	ug/l	2	1	U	ug/l	1
Toluene	69		ug/l	5	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	2	U	ug/l	2	1	U	ug/l	1
Chlorobenzene	24		ug/l	5	1	U	ug/l	1
Ethylbenzene	16		ug/l	5	1	U	ug/l	1
Styrene	2	U	ug/l	2	1	U	ug/l	1
Xylenes (total)	110		ug/l	5	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	110		ug/l	100	180	J	ug/l	200	120		ug/l	100	33	J	ug/l	100
bis(2-Chloroethyl) ether	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2-Chlorophenol	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
1,3-Dichlorobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
1,4-Dichlorobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
1,2-Dichlorobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2-Methylphenol	90	J	ug/l	100	84	J	ug/l	200	55	J	ug/l	100	14	J	ug/l	100
2,2-oxybis(1-Chloropropane)	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
4-Methylphenol	530		ug/l	100	820	J	ug/l	200	550		ug/l	100	180	J	ug/l	100
N-Nitroso-di-n-propylamine	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Hexachloroethane	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Nitrobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Isophorone	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2-Nitrophenol	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4-Dimethylphenol	76	J	ug/l	100	89	J	ug/l	200	110		ug/l	100	100	UJ	ug/l	100
bis(2-Chloroethoxy) methane	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4-Dichlorophenol	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
1,2,4-Trichlorobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Naphthalene	160		ug/l	100	170	J	ug/l	200	200		ug/l	100	120	J	ug/l	100
4-Chloroaniline	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Hexachlorobutadiene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
4-Chloro-3-methylphenol	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2-Methylnaphthalene	84	J	ug/l	100	120	J	ug/l	200	110		ug/l	100	78	J	ug/l	100
Hexachlorocyclopentadiene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4,6-Trichlorophenol	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4,5-Trichlorophenol	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
2-Chloronaphthalene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2-Nitroaniline	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
Dimethylphthalate	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Acenaphthylene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,6-Dinitrotoluene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
3-Nitroaniline	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
Acenaphthene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4-Dinitrophenol	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
4-Nitrophenol	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
Dibenzofuran	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
2,4-Dinitrotoluene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Diethylphthalate	8	J	ug/l	100	200	R	ug/l	200	7	J	ug/l	100	100	UJ	ug/l	100
4-Chlorophenyl-phenylether	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Fluorene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
4-Nitroaniline	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
4,6-Dinitro-2-methylphenol	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
N-Nitrosodiphenylamine (1)	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
4-Bromophenyl-phenylether	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Hexachlorobenzene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Pentachlorophenol	250	U	ug/l	250	500	R	ug/l	500	250	U	ug/l	250	250	UJ	ug/l	250
Phenanthrene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Anthracene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Carbazole	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Di-n-butylphthalate	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Fluoranthene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Pyrene	100	UJ	ug/l	100	200	R	ug/l	200	100	UJ	ug/l	100	100	UJ	ug/l	100
Butylbenzylphthalate	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Benzo (a) anthracene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Chrysene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
bis(2-Ethylhexyl) phthalate	100	U	ug/l	100	200	R	ug/l	200	9	J	ug/l	100	130	J	ug/l	100
Di-n-octylphthalate	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Benzo (b) fluoranthene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Benzo (k) fluoranthene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Benzo (a) pyrene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Indeno (1,2,3-cd) pyrene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Dibenz (a,h) anthracene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100
Benzo (g,h,i) perylene	100	U	ug/l	100	200	R	ug/l	200	100	U	ug/l	100	100	UJ	ug/l	100

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW6SR			CF5MW7S			CF58S			CF59I		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MW6SR			CF5MW7S			CF58S			CF59I		
Collect Date:	02-DEC-93			01-DEC-93			15-NOV-93			16-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	.8 J	ug/l	10	.7 J	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethyl) ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Chlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,2-oxybis(1-Chloropropane)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethoxy) methane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
2-Chloronaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dimethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acenaphthylene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Acenaphthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4-Nitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dibenzofuran	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4,6-Dinitro-2-methylphenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
N-Nitrosodiphenylamine (1)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Phenanthrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Anthracene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Carbazole	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Di-n-butylphthalate	2 J	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pyrene	10 U	ug/l	10	10 UJ	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Collect Date:	02-DEC-93				01-DEC-93				15-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	6	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	27		ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF59IR				CF510S				CF511I				CF512D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF59IR				CF510S				CF511I				CF512D			
Collect Date:	16-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	2	J	ug/l	10	.5	J	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Collect Date:	30-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = P[illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Collect Date:	30-NOV-93				30-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	.5	J	ug/l	10	.5	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	.7	J	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Collect Date:	30-NOV-93				30-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW22D			CF5MW23S			CF524S			CF525I		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MW22D			CF5MW23S			CF524S			CF525I		
Collect Date:	29-NOV-93			29-NOV-93			16-NOV-93			16-NOV-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW												
Phenol	1 J	ug/l	10	.5 J	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethyl) ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Chlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,2-oxybis(1-Chloropropane)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethoxy) methane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
2-Chloronaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dimethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acenaphthylene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Acenaphthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4-Nitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dibenzofuran	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	2 J	ug/l	10
4-Chlorophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4,6-Dinitro-2-methylphenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
N-Nitrosodiphenylamine (1)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Phenanthrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Anthracene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Carbazole	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Di-n-butylphthalate	2 J	ug/l	10	2 J	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pyrene	10 UJ	ug/l	10	10 UJ	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW22D				CF5MW23S				CF524S				CF525I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW22D				CF5MW23S				CF524S				CF525I			
Collect Date:	29-NOV-93				29-NOV-93				16-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	.5	J	ug/l	10	10	U	ug/l	10	2	J	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = P T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Collect Date:	16-NOV-93				16-NOV-93				01-DEC-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	2	J	ug/l	10	.8	J	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Collect Date:	16-NOV-93				16-NOV-93				01-DEC-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	1	J	ug/l	10	10	U	ug/l	10	.8	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMSD			
Collect Date:	17-NOV-93				17-NOV-93				17-NOV-93				17-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW																
Phenol	1	J	ug/l	10	1	J	ug/l	10	50		ug/l	10	54		ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	47		ug/l	10	53		ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	28		ug/l	10	31		ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	34		ug/l	10	37		ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	30		ug/l	10	33		ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	59		ug/l	10	66		ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	37		ug/l	10	39		ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	65		ug/l	25	68		ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	42		ug/l	10	45		ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	65		ug/l	25	74		ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	30		ug/l	10	30		ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMSD			
Collect Date:	17-NOV-93				17-NOV-93				17-NOV-93				17-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = P[illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW30S			CF5MW30SMS			CF5MW30SMS		
Site	CECIL2			CECIL2			CECIL2		
Locator	CF5MW30S			CF5MW30SMS			CF5MW30SMSD		
Collect Date:	02-DEC-93			02-DEC-93			02-DEC-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW									
Phenol	9 J	ug/l	50	73	ug/l	50	76	ug/l	50
bis(2-Chloroethyl) ether	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Chlorophenol	50 U	ug/l	50	61	ug/l	50	64	ug/l	50
1,3-Dichlorobenzene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
1,4-Dichlorobenzene	50 U	ug/l	50	36 J	ug/l	50	39 J	ug/l	50
1,2-Dichlorobenzene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Methylphenol	21 J	ug/l	50	20 J	ug/l	50	25 J	ug/l	50
2,2-oxybis(1-Chloropropane)	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Methylphenol	160	ug/l	50	180	ug/l	50	210	ug/l	50
N-Nitroso-di-n-propylamine	50 U	ug/l	50	38 J	ug/l	50	42 J	ug/l	50
Hexachloroethane	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Nitrobenzene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Isophorone	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Nitrophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2,4-Dimethylphenol	84	ug/l	50	86	ug/l	50	82	ug/l	50
bis(2-Chloroethoxy) methane	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2,4-Dichlorophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
1,2,4-Trichlorobenzene	50 U	ug/l	50	38 J	ug/l	50	38 J	ug/l	50
Naphthalene	270	ug/l	50	320	ug/l	50	360	ug/l	50
4-Chloroaniline	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Hexachlorobutadiene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Chloro-3-methylphenol	50 U	ug/l	50	62	ug/l	50	70	ug/l	50
2-Methylnaphthalene	180	ug/l	50	200	ug/l	50	220	ug/l	50
Hexachlorocyclopentadiene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2,4,6-Trichlorophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2,4,5-Trichlorophenol	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
2-Chloronaphthalene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Nitroaniline	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
Dimethylphthalate	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthylene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2,6-Dinitrotoluene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
3-Nitroaniline	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
Acenaphthene	50 U	ug/l	50	46 J	ug/l	50	31 J	ug/l	50
2,4-Dinitrophenol	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
4-Nitrophenol	120 U	ug/l	120	100 J	ug/l	120	20 J	ug/l	120
Dibenzofuran	50 U	ug/l	50	3 J	ug/l	50	50 U	ug/l	50
2,4-Dinitrotoluene	50 U	ug/l	50	43 J	ug/l	50	34 J	ug/l	50
Diethylphthalate	8 J	ug/l	50	13 J	ug/l	50	50 U	ug/l	50
4-Chlorophenyl-phenylether	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Fluorene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Nitroaniline	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
4,6-Dinitro-2-methylphenol	120 U	ug/l	120	120 U	ug/l	120	120 U	ug/l	120
N-Nitrosodiphenylamine (1)	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Bromophenyl-phenylether	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Hexachlorobenzene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Pentachlorophenol	120 U	ug/l	120	72 J	ug/l	120	83 J	ug/l	120
Phenanthrene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Anthracene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Carbazole	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Di-n-butylphthalate	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Fluoranthene	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Pyrene	50 UJ	ug/l	50	12 J	ug/l	50	9 J	ug/l	50

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW30S				CF5MW30SMS				CF5MW30SMS			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MW30S				CF5MW30SMS				CF5MW30SMSD			
Collect Date:	02-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
3,3-Dichlorobenzidine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Benzo (a) anthracene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Chrysene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
bis(2-Ethylhexyl) phthalate	50	U	ug/l	50	4	J	ug/l	50	50	U	ug/l	50
Di-n-octylphthalate	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Benzo (b) fluoranthene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Benzo (k) fluoranthene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Benzo (a) pyrene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Indeno (1,2,3-cd) pyrene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Dibenz (a,h) anthracene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Benzo (g,h,i) perylene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50

U = NOT DETECTED J = ESTIMATED VALUE
UJ = [illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
beta-BHC	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.18	J	ug/l	.5
delta-BHC	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
gamma-BHC (Lindane)	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Heptachlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Aldrin	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Heptachlor epoxide	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endosulfan I	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Dieldrin	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
4,4-DDE	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Endrin	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Endosulfan II	.09	UJ	ug/l	.09	1	UJ	ug/l	1	.21	J	ug/l	1	1	UJ	ug/l	1
4,4-DDD	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Endosulfan sulfate	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
4,4-DDT	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	.06	UJ	ug/l	.06
Methoxychlor	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Endrin ketone	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Endrin aldehyde	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
alpha-Chlordane	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.15	J	ug/l	.5
gamma-Chlordane	.03	UJ	ug/l	.03	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Toxaphene	50	UJ	ug/l	50	50	UJ	ug/l	50	50	UJ	ug/l	50	50	UJ	ug/l	50
Aroclor-1016	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Aroclor-1221	20	UJ	ug/l	20	20	UJ	ug/l	20	20	UJ	ug/l	20	20	UJ	ug/l	20
Aroclor-1232	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Aroclor-1242	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Aroclor-1248	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Aroclor-1254	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Aroclor-1260	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Collect Date:	02-DEC-93				01-DEC-93				15-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.02	UJ	ug/l	.02	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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R = T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF591R			CF510S			CF511I			CF512D		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF591R			CF510S			CF511I			CF512D		
Collect Date:	16-NOV-93			15-NOV-93			15-NOV-93			15-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
LP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
beta-BHC	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.03	UJ ug/l	.03
delta-BHC	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-BHC (Lindane)	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Heptachlor	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Aldrin	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Heptachlor epoxide	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Endosulfan I	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Dieldrin	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDE	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endosulfan II	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDD	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endosulfan sulfate	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDT	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Methoxychlor	.5	U ug/l	.5	.5	UJ ug/l	.5	.5	UJ ug/l	.5	.5	UJ ug/l	.5
Endrin ketone	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin aldehyde	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
alpha-Chlordane	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-Chlordane	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Toxaphene	5	U ug/l	5	5	UJ ug/l	5	5	UJ ug/l	5	5	UJ ug/l	5
Aroclor-1016	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1221	2	U ug/l	2	2	UJ ug/l	2	2	UJ ug/l	2	2	UJ ug/l	2
Aroclor-1232	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1242	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1248	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1254	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1260	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF513S			CF513SR			CF514I			CF515D		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF513S			CF513SR			CF514I			CF515D		
Collect Date:	14-NOV-93			14-NOV-93			14-NOV-93			14-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
beta-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
delta-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-BHC (Lindane)	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Heptachlor	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Aldrin	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Heptachlor epoxide	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Endosulfan I	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Dieldrin	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDE	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endosulfan II	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDD	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endosulfan sulfate	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDT	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Methoxychlor	.5	UJ ug/l	.5	.5	U ug/l	.5	.5	UJ ug/l	.5	.5	UJ ug/l	.5
Endrin ketone	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin aldehyde	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
alpha-Chlordane	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-Chlordane	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Toxaphene	5	UJ ug/l	5	5	U ug/l	5	5	UJ ug/l	5	5	UJ ug/l	5
Aroclor-1016	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1221	2	UJ ug/l	2	2	U ug/l	2	2	UJ ug/l	2	2	UJ ug/l	2
Aroclor-1232	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1242	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1248	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1254	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1260	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Collect Date:	30-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.03	UJ	ug/l	.03	.02	UJ	ug/l	.02
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Collect Date:	30-NOV-93				30-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.01	UJ	ug/l	.01	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW22D				CF5MW23S				CF524S				CF525I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW22D				CF5MW23S				CF524S				CF525I			
Collect Date:	29-NOV-93				29-NOV-93				16-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Collect Date:	16-NOV-93				16-NOV-93				01-DEC-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW29S				CF5MW29SD				CF5MW29SMS				CF5MW29SMSD			
Collect Date:	17-NOV-93				17-NOV-93				17-NOV-93				17-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.48		ug/l	.05	.59		ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.33		ug/l	.05	.26		ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.38		ug/l	.05	.23		ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.94		ug/l	.1	.84		ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	1		ug/l	.1	.9		ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.78		ug/l	.1	.43		ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.015	J	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF5MW30S				CF5MW30SMS				CF5MW30SMS			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MW30S				CF5MW30SMS				CF5MW30SMSD			
Collect Date:	02-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
beta-BHC	.5	UJ	ug/l	.5	.06	J	ug/l	.5	.5	U	ug/l	.5
delta-BHC	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
gamma-BHC (Lindane)	.5	UJ	ug/l	.5	.33	J	ug/l	.5	.31	J	ug/l	.5
Heptachlor	.5	UJ	ug/l	.5	.23	J	ug/l	.5	.24	J	ug/l	.5
Aldrin	.5	UJ	ug/l	.5	.16	J	ug/l	.5	.18	J	ug/l	.5
Heptachlor epoxide	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endosulfan I	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Dieldrin	1	UJ	ug/l	1	.43	J	ug/l	1	.46	J	ug/l	1
4,4-DDE	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Endrin	1	UJ	ug/l	1	.74	J	ug/l	1	.77	J	ug/l	1
Endosulfan II	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4,4-DDD	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Endosulfan sulfate	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4,4-DDT	1	UJ	ug/l	1	.38	J	ug/l	1	.41	J	ug/l	1
Methoxychlor	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Endrin ketone	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Endrin aldehyde	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
alpha-Chlordane	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
gamma-Chlordane	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Toxaphene	50	UJ	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Aroclor-1016	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aroclor-1221	20	UJ	ug/l	20	20	U	ug/l	20	20	U	ug/l	20
Aroclor-1232	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aroclor-1242	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aroclor-1248	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aroclor-1254	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aroclor-1260	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19S				CF5MW19SD				CF5MW20S				CF5MW21I			
Collect Date:	30-NOV-93				30-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	69900	J	ug/l	200	121000	J	ug/l	200	21900	J	ug/l	200	10300	J	ug/l	200
Antimony	12	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60
Arsenic	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	3.8	J	ug/l	10
Barium	61.3		ug/l	200	93.8		ug/l	200	36.1		ug/l	200	25.6		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	30200		ug/l	5000	28800		ug/l	5000	1280		ug/l	5000	1350		ug/l	5000
Chromium	53.3	J	ug/l	10	97.5	J	ug/l	10	21.4	J	ug/l	10	12.8	J	ug/l	10
Cobalt	4	U	ug/l	50	4.3	J	ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	11.1	U	ug/l	25	14.8		ug/l	25	10.3	U	ug/l	25	4.5	U	ug/l	25
Iron	4960	J	ug/l	100	8870	J	ug/l	100	1880	J	ug/l	100	2460	J	ug/l	100
Lead	24.5	J	ug/l	3	42	J	ug/l	3	16.6	J	ug/l	3	3.9	J	ug/l	3
Magnesium	3200		ug/l	5000	4190		ug/l	5000	1280		ug/l	5000	1070		ug/l	5000
Manganese	14.5		ug/l	15	21.8		ug/l	15	6.5	U	ug/l	15	7.9	U	ug/l	15
Mercury	.34	J	ug/l	.2	.5	J	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	16.1	U	ug/l	40	24.9	U	ug/l	40	6.1	U	ug/l	40	4.6	U	ug/l	40
Potassium	949		ug/l	5000	1580	J	ug/l	5000	873		ug/l	5000	1040		ug/l	5000
Selenium	10	UJ	ug/l	5	16	J	ug/l	5	7.7	J	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	11000		ug/l	5000	10800		ug/l	5000	9410		ug/l	5000	6610		ug/l	5000
Thallium	1.1	U	ug/l	10	1.3	U	ug/l	10	1.2	U	ug/l	10	1	U	ug/l	10
Vanadium	44		ug/l	50	70.2		ug/l	50	26.3		ug/l	50	12.4		ug/l	50
Zinc	30.1	U	ug/l	20	33.6	U	ug/l	20	22.6	U	ug/l	20	20.2	U	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW22D				CF5MW23S				CF524S				CF525I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW22D				CF5MW23S				CF524S				CF525I			
Collect Date:	29-NOV-93				29-NOV-93				16-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	2360	J	ug/l	200	73400	J	ug/l	200	8880	J	ug/l	200	22300	J	ug/l	200
Antimony	12	UJ	ug/l	60	12	UJ	ug/l	60	20	UJ	ug/l	60	20	UJ	ug/l	60
Arsenic	6	J	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	79	J	ug/l	10
Barium	44.6		ug/l	200	134		ug/l	200	24.2		ug/l	200	43.3		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	7190		ug/l	5000	5600		ug/l	5000	1960	J	ug/l	5000	1960	J	ug/l	5000
Chromium	6.8	J	ug/l	10	83.6	J	ug/l	10	7	J	ug/l	10	21.5	J	ug/l	10
Cobalt	4	U	ug/l	50	4	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	4.5	U	ug/l	25	25.8		ug/l	25	9.1	UJ	ug/l	25	21.9	U	ug/l	25
Iron	1040	J	ug/l	100	8190	J	ug/l	100	724	UJ	ug/l	100	2410	J	ug/l	100
Lead	1.4	J	ug/l	3	39.7	J	ug/l	3	8.3	J	ug/l	3	18.8	J	ug/l	3
Magnesium	1640		ug/l	5000	3630		ug/l	5000	699		ug/l	5000	1350		ug/l	5000
Manganese	10.8		ug/l	15	40.8		ug/l	15	6.3		ug/l	15	10.5		ug/l	15
Mercury	.2	U	ug/l	.2	.23	J	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11.3	U	ug/l	40	13	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	964		ug/l	5000	3230	J	ug/l	5000	278	UJ	ug/l	5000	1230		ug/l	5000
Selenium	2	UJ	ug/l	5	13.4	J	ug/l	5	3.3	UJ	ug/l	5	7.5	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	5600		ug/l	5000	6360		ug/l	5000	5200		ug/l	5000	4900		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	3.2		ug/l	50	88.7		ug/l	50	17.1		ug/l	50	19.4		ug/l	50
Zinc	16.5	U	ug/l	20	36.7	U	ug/l	25	21.9	UJ	ug/l	20	23.3	UJ	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF526D				CF527S				CF5MW28D				CF5MW28DD			
Collect Date:	16-NOV-93				16-NOV-93				01-DEC-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	17200	J	ug/l	200	10800	J	ug/l	200	5430	J	ug/l	200	5620	J	ug/l	200
Antimony	20	UJ	ug/l	60	20	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60
Arsenic	21.7	J	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10
Barium	53.2		ug/l	200	52.9		ug/l	200	29.7		ug/l	200	29.9		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	8540	J	ug/l	5000	13400	J	ug/l	5000	3950		ug/l	5000	3780		ug/l	5000
Chromium	13.4	J	ug/l	10	9	J	ug/l	10	6.4	J	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	8.4	UJ	ug/l	25	9.1	UJ	ug/l	25	4	U	ug/l	25	5.1	U	ug/l	25
Iron	2070	J	ug/l	100	1610	J	ug/l	100	1180	J	ug/l	100	1290	J	ug/l	100
Lead	6.9	J	ug/l	3	8.3	J	ug/l	3	4.2	J	ug/l	3	5	J	ug/l	3
Magnesium	1080		ug/l	5000	1450		ug/l	5000	920		ug/l	5000	951		ug/l	5000
Manganese	18.9		ug/l	15	14.8		ug/l	15	10.5	U	ug/l	15	9.4	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	6.3	U	ug/l	40	4.8	U	ug/l	40
Potassium	1240		ug/l	5000	440	UJ	ug/l	5000	895		ug/l	5000	974		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	5890		ug/l	5000	19200		ug/l	5000	5230		ug/l	5000	5270		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1.1	U	ug/l	10	1.4	U	ug/l	10
Vanadium	17.2		ug/l	50	22.9		ug/l	50	5.5		ug/l	50	5.5		ug/l	50
Zinc	54.3	J	ug/l	20	10.5	UJ	ug/l	20	25.1	U	ug/l	20	24.7	U	ug/l	20
Cyanide	5	UJ	ug/l	10	5	UJ	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW29S				CF5MW29SD				CF5MW30S			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MW29S				CF5MW29SD				CF5MW30S			
Collect Date:	17-NOV-93				17-NOV-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	118000	J	ug/l	200	152000	J	ug/l	200	120000	J	ug/l	200
Antimony	20	UJ	ug/l	60	20	UJ	ug/l	60	14.3	UJ	ug/l	60
Arsenic	2	UJ	ug/l	10	2	UJ	ug/l	10	2.3	J	ug/l	10
Barium	303		ug/l	200	272		ug/l	200	86.6		ug/l	200
Beryllium	4.5		ug/l	5	3	U	ug/l	5	1.3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	3.5		ug/l	5
Calcium	10700	J	ug/l	5000	7560	J	ug/l	5000	2720		ug/l	5000
Chromium	89.4	J	ug/l	10	111	J	ug/l	10	95.8	J	ug/l	10
Cobalt	13	U	ug/l	50	16.8	J	ug/l	50	4.6		ug/l	50
Copper	26.6	U	ug/l	25	14.6	U	ug/l	25	23.6		ug/l	25
Iron	6430	J	ug/l	100	12600	J	ug/l	100	12900	J	ug/l	100
Lead	57.6	U	ug/l	3	40.4	J	ug/l	3	37.3	J	ug/l	3
Magnesium	3470		ug/l	5000	4610		ug/l	5000	3160		ug/l	5000
Manganese	27		ug/l	15	30.1	J	ug/l	15	26.4		ug/l	15
Mercury	.32		ug/l	.2	.25		ug/l	.2	.38	J	ug/l	.2
Nickel	11	U	ug/l	40	12.3	J	ug/l	40	22.5	U	ug/l	40
Potassium	1850		ug/l	5000	3460		ug/l	5000	1930	J	ug/l	5000
Selenium	10	UJ	ug/l	5	2.6	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	3	U	ug/l	10
Sodium	7680		ug/l	5000	6720		ug/l	5000	6560		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1.4	U	ug/l	10
Vanadium	96.6		ug/l	50	110		ug/l	50	106		ug/l	50
Zinc	40.5	UJ	ug/l	20	25.1	U	ug/l	20	36.3	U	ug/l	20
Cyanide	5	UJ	ug/l	10	5	UJ	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6S			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	65600	J	ug/l	200	174000	J	ug/l	200	1150	J	ug/l	200	1970		ug/l	200
Antimony	12	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60	12	U	ug/l	60
Arsenic	17.6	J	ug/l	10	7.5	J	ug/l	10	10.2	J	ug/l	10	4.9		ug/l	10
Barium	84.4		ug/l	200	197		ug/l	200	34.6		ug/l	200	17.6		ug/l	200
Beryllium	1	U	ug/l	5	1.3	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	3	U	ug/l	5	4.5		ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	2110		ug/l	5000	3200		ug/l	5000	1540		ug/l	5000	24500		ug/l	5000
Chromium	58.4	J	ug/l	10	154	J	ug/l	10	9.7	J	ug/l	10	5	U	ug/l	10
Cobalt	4	U	ug/l	50	7.3		ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	12.4	U	ug/l	25	19		ug/l	25	3.6	U	ug/l	25	6.3		ug/l	25
Iron	11400	J	ug/l	100	16700	J	ug/l	100	9470	J	ug/l	100	12900		ug/l	100
Lead	24.3	J	ug/l	3	37.9	J	ug/l	3	1.8	J	ug/l	3	131		ug/l	3
Magnesium	2910		ug/l	5000	5270		ug/l	5000	1750		ug/l	5000	2180		ug/l	5000
Manganese	24.8		ug/l	15	64.2		ug/l	15	20.1		ug/l	15	54.8		ug/l	15
Mercury	.2	U	ug/l	.2	.29	J	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	20.3	U	ug/l	40	51.9		ug/l	40	11.2	U	ug/l	40	4	U	ug/l	40
Potassium	1730	J	ug/l	5000	3370	J	ug/l	5000	717	U	ug/l	5000	2310		ug/l	5000
Selenium	2	J	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	13300		ug/l	5000	13500		ug/l	5000	5320		ug/l	5000	8260		ug/l	5000
Thallium	1.5	U	ug/l	10	1.2	U	ug/l	10	1	U	ug/l	10	2	UJ	ug/l	10
Vanadium	146		ug/l	50	315		ug/l	50	180		ug/l	50	8.5	U	ug/l	50
Zinc	83.4	J	ug/l	20	47.2	U	ug/l	20	16.1	U	ug/l	20	12.2	U	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW6SR				CF5MW7S				CF58S				CF59I			
Collect Date:	02-DEC-93				01-DEC-93				15-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	11	U	ug/l	200	325000	J	ug/l	200	967000	J	ug/l	200	8630	J	ug/l	200
Antimony	12	U	ug/l	60	12	UJ	ug/l	60	24.2	J	ug/l	60	20	UJ	ug/l	60
Arsenic	2	U	ug/l	10	15.4	J	ug/l	10	8	UJ	ug/l	10	3	J	ug/l	10
Barium	1	U	ug/l	200	259		ug/l	200	1530		ug/l	200	48.4		ug/l	200
Beryllium	1	U	ug/l	5	1.9	U	ug/l	5	12.5		ug/l	5	3	U	ug/l	5
Cadmium	3	U	ug/l	5	5.9		ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	9	U	ug/l	5000	27900		ug/l	5000	58400	J	ug/l	5000	1840	J	ug/l	5000
Chromium	5	U	ug/l	10	202	J	ug/l	10	583	J	ug/l	10	8.5	J	ug/l	10
Cobalt	4	U	ug/l	50	9.1	J	ug/l	50	13.5		ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	79		ug/l	25	45.7		ug/l	25	5.2	UJ	ug/l	25
Iron	6.7		ug/l	100	15400	J	ug/l	100	40600	J	ug/l	100	2460	J	ug/l	100
Lead	1.4		ug/l	3	166	J	ug/l	3	214	J	ug/l	3	7.4	J	ug/l	3
Magnesium	10	U	ug/l	5000	4310		ug/l	5000	20400		ug/l	5000	1120		ug/l	5000
Manganese	2	U	ug/l	15	47.6		ug/l	15	263		ug/l	15	9.8		ug/l	15
Mercury	.2	U	ug/l	.2	.66	J	ug/l	.2	1.5		ug/l	.2	.2	U	ug/l	.2
Nickel	4	U	ug/l	40	38.9	J	ug/l	40	68.8		ug/l	40	11	U	ug/l	40
Potassium	23	UJ	ug/l	5000	4400	J	ug/l	5000	11800		ug/l	5000	1060		ug/l	5000
Selenium	2	UJ	ug/l	5	4.1	J	ug/l	5	12.2	J	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	52	UJ	ug/l	5000	28300		ug/l	5000	5240		ug/l	5000	6040		ug/l	5000
Thallium	1	U	ug/l	10	1.2	U	ug/l	10	1.3	U	ug/l	10	1	U	ug/l	10
Vanadium	2.9	J	ug/l	50	232		ug/l	50	489		ug/l	50	9.2	UJ	ug/l	50
Zinc	2	U	ug/l	20	62.6	U	ug/l	20	163	J	ug/l	20	23.2	UJ	ug/l	20
Cyanide	5.7	U	ug/l	10	5	U	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF59IR				CF510S				CF511I				CF512D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF59IR				CF510S				CF511I				CF512D			
Collect Date:	16-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	38	UJ	ug/l	200	186000	J	ug/l	200	21700		ug/l	200	5360		ug/l	200
Antimony	20	UJ	ug/l	60	29.4	J	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	UJ	ug/l	10	3.2	J	ug/l	10	19.4		ug/l	10	2	U	ug/l	10
Barium	2	U	ug/l	200	153		ug/l	200	53.7		ug/l	200	26.3		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	37	U	ug/l	5000	1560	J	ug/l	5000	1950		ug/l	5000	6930		ug/l	5000
Chromium	5	UJ	ug/l	10	168	J	ug/l	10	25	U	ug/l	10	5.7	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	6.7		ug/l	25	29.1	UJ	ug/l	25	8.9	U	ug/l	25	3.5	U	ug/l	25
Iron	186	J	ug/l	100	13600	J	ug/l	100	6230		ug/l	100	1340		ug/l	100
Lead	1	U	ug/l	3	77.3	J	ug/l	3	9.9		ug/l	3	4.6	J	ug/l	3
Magnesium	20	U	ug/l	5000	3950		ug/l	5000	2020		ug/l	5000	1280		ug/l	5000
Manganese	2	U	ug/l	15	26.8		ug/l	15	16.4	U	ug/l	15	14.4	U	ug/l	15
Mercury	.2	U	ug/l	.2	.52		ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	25.2	J	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	18	UJ	ug/l	5000	2920		ug/l	5000	2020		ug/l	5000	1090		ug/l	5000
Selenium	2	UJ	ug/l	5	19.3	J	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	47	UJ	ug/l	5000	10300		ug/l	5000	6060		ug/l	5000	4030		ug/l	5000
Thallium	1	U	ug/l	10	1.4	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	2	UJ	ug/l	50	150		ug/l	50	25.8		ug/l	50	5.1	U	ug/l	50
Zinc	8.6		ug/l	20	39.4	U	ug/l	20	51.3		ug/l	20	46.7		ug/l	20
Cyanide	5	UJ	ug/l	10	5	UJ	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF513S				CF513SR				CF514I				CF515D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF513S				CF513SR				CF514I				CF515D			
Collect Date:	14-NOV-93				14-NOV-93				14-NOV-93				14-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	29500		ug/l	200	41.2	U	ug/l	200	6870		ug/l	200	21800		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	60.2		ug/l	10	26.3		ug/l	10
Barium	74.4		ug/l	200	2	U	ug/l	200	24.7		ug/l	200	68.8		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	7220		ug/l	5000	46.6	U	ug/l	5000	1140		ug/l	5000	3710		ug/l	5000
Chromium	25	U	ug/l	10	5	U	ug/l	10	8.3	U	ug/l	10	22.4	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	9.5	U	ug/l	25	2	U	ug/l	25	7.8	U	ug/l	25	9.3	U	ug/l	25
Iron	3990		ug/l	100	8	U	ug/l	100	2730		ug/l	100	4640		ug/l	100
Lead	13.9		ug/l	3	1	UJ	ug/l	3	10.2		ug/l	3	6.5	J	ug/l	3
Magnesium	2680		ug/l	5000	23.1	U	ug/l	5000	1180		ug/l	5000	2370		ug/l	5000
Manganese	21	U	ug/l	15	2	U	ug/l	15	4.7	U	ug/l	15	14.2	U	ug/l	15
Mercury	.22		ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	12.1	U	ug/l	40
Potassium	1920		ug/l	5000	44.5	U	ug/l	5000	816		ug/l	5000	2150		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	19800		ug/l	5000	148	U	ug/l	5000	10500		ug/l	5000	6280		ug/l	5000
Thallium	1		ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	28.6		ug/l	50	2	U	ug/l	50	6.5	U	ug/l	50	27.7		ug/l	50
Zinc	8	J	ug/l	20	3	UJ	ug/l	20	50.7		ug/l	20	44.1		ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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R = [illegible]LT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Collect Date:	30-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	129000	J	ug/l	200	1560	J	ug/l	200	1540	J	ug/l	200	11.7	J	ug/l	200
Antimony	12	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60	12	UJ	ug/l	60
Arsenic	10.8	J	ug/l	10	15	J	ug/l	10	11	J	ug/l	10	2	UJ	ug/l	10
Barium	120		ug/l	200	16.5		ug/l	200	25.9		ug/l	200	1	U	ug/l	200
Beryllium	1.2	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	4.2	J	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	60100		ug/l	5000	1140	J	ug/l	5000	1770		ug/l	5000	116		ug/l	5000
Chromium	108	J	ug/l	10	6	J	ug/l	10	6.2	J	ug/l	10	5	U	ug/l	10
Cobalt	9.6		ug/l	50	4	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	35.5		ug/l	25	5.1	U	ug/l	25	5.9	U	ug/l	25	2	U	ug/l	25
Iron	10600	J	ug/l	100	1060	J	ug/l	100	724	J	ug/l	100	23.6	J	ug/l	100
Lead	98.4	J	ug/l	3	2.7	J	ug/l	3	2	J	ug/l	3	1	UJ	ug/l	3
Magnesium	3750		ug/l	5000	785		ug/l	5000	954		ug/l	5000	19.8		ug/l	5000
Manganese	80.6		ug/l	15	4	U	ug/l	15	6.6	U	ug/l	15	2	U	ug/l	15
Mercury	.26	J	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	32.7		ug/l	40	6.1	U	ug/l	40	5.3	U	ug/l	40	4	U	ug/l	40
Potassium	4480	J	ug/l	5000	420	U	ug/l	5000	800		ug/l	5000	23.3		ug/l	5000
Selenium	4.7	J	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	6680		ug/l	5000	7290		ug/l	5000	7060		ug/l	5000	216		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1.2	U	ug/l	10	1.4		ug/l	10
Vanadium	84.4		ug/l	50	3.3	J	ug/l	50	4.1		ug/l	50	2	U	ug/l	50
Zinc	151	J	ug/l	20	31.7	J	ug/l	20	23.7	U	ug/l	20	8.7		ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW3SF				CF5MW4SF				CF5MW5SF				CF5MW6SF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3SF				CF5MW4SF				CF5MW5SF				CF5MW6SF			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	885		ug/l	200	3630		ug/l	200	960		ug/l	200	986		ug/l	200
Antimony	12	U	ug/l	60	12	U	ug/l	60	12	U	ug/l	60	12	U	ug/l	60
Arsenic	18	J	ug/l	10	9	J	ug/l	10	8.5	J	ug/l	10	3.3		ug/l	10
Barium	48.2		ug/l	200	89.8		ug/l	200	37.4		ug/l	200	16.7		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	1200	J	ug/l	5000	2640	J	ug/l	5000	1300	J	ug/l	5000	22300		ug/l	5000
Chromium	5	U	ug/l	10	8		ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	4	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	2	U	ug/l	25	6	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	7180		ug/l	100	6350		ug/l	100	9110		ug/l	100	11600		ug/l	100
Lead	1	UJ	ug/l	3	1.8	J	ug/l	3	1.3	J	ug/l	3	3.7	UJ	ug/l	3
Magnesium	1830		ug/l	5000	2660		ug/l	5000	1380		ug/l	5000	1930		ug/l	5000
Manganese	16.4		ug/l	15	39.6		ug/l	15	14.4		ug/l	15	50.2		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	12.2	U	ug/l	40	32	U	ug/l	40	13.3	U	ug/l	40	4	U	ug/l	40
Potassium	630		ug/l	5000	1050	U	ug/l	5000	815	U	ug/l	5000	2090		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	12000		ug/l	5000	12300		ug/l	5000	5030		ug/l	5000	8410		ug/l	5000
Thallium	1.5	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	100		ug/l	50	165		ug/l	50	199		ug/l	50	7.1	U	ug/l	50
Zinc	20.9	U	ug/l	20	114		ug/l	20	14.7	U	ug/l	20	17.3	U	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW6SRF				F5MW7SF				CF58SF				CF59IF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW6SRF				CF5MW7SF				CF58SF				CF59IF			
Collect Date:	02-DEC-93				01-DEC-93				15-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	44.1		ug/l	200	441		ug/l	200	1550		ug/l	200	74.8	UJ	ug/l	200
Antimony	12	U	ug/l	60	12	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	UJ	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Barium	30.2		ug/l	200	9.1	U	ug/l	200	19.3		ug/l	200	31.1		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	1190		ug/l	5000	7070	J	ug/l	5000	3490		ug/l	5000	752		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	4	U	ug/l	50	4	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	4.7	UJ	ug/l	25	2	UJ	ug/l	25
Iron	4.4	J	ug/l	100	291		ug/l	100	537	UJ	ug/l	100	340	UJ	ug/l	100
Lead	2.2		ug/l	3	1	UJ	ug/l	3	2	U	ug/l	3	1.2	U	ug/l	3
Magnesium	22.5	J	ug/l	5000	589		ug/l	5000	842		ug/l	5000	670		ug/l	5000
Manganese	2	U	ug/l	15	7.4	U	ug/l	15	13.1		ug/l	15	6		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	4	U	ug/l	40	4	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	23	UJ	ug/l	5000	1250	U	ug/l	5000	870		ug/l	5000	545	UJ	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5	2	U	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	2.2		ug/l	10	2	U	ug/l	10
Sodium	52	UJ	ug/l	5000	22800		ug/l	5000	4770		ug/l	5000	4500		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	3.3	J	ug/l	50	4.1		ug/l	50	3.5	UJ	ug/l	50	2	UJ	ug/l	50
Zinc	3		ug/l	20	10.9	U	ug/l	20	24.3	U	ug/l	20	18	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF591RF				CF510SF				CF511IF				CF512DF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF591RF				CF510SF				CF511IF				CF512DF			
Collect Date:	16-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	38	UJ	ug/l	200	402	J	ug/l	200	267	U	ug/l	200	470	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	16.1	J	ug/l	10	2	U	ug/l	10
Barium	2	U	ug/l	200	13.6		ug/l	200	14.2	U	ug/l	200	20	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	37	UJ	ug/l	5000	554	UJ	ug/l	5000	583	U	ug/l	5000	6470		ug/l	5000
Chromium	5	U	ug/l	10	5	UJ	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	UJ	ug/l	25	2	UJ	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	22.8	UJ	ug/l	100	2570	J	ug/l	100	498		ug/l	100	295		ug/l	100
Lead	1	U	ug/l	3	1.3	U	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	20	UJ	ug/l	5000	1230		ug/l	5000	655	U	ug/l	5000	1050		ug/l	5000
Manganese	2	U	ug/l	15	9.3		ug/l	15	3.9	U	ug/l	15	12.3	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	18	UJ	ug/l	5000	28	UJ	ug/l	5000	839		ug/l	5000	869		ug/l	5000
Selenium	2	U	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	47	UJ	ug/l	5000	10600		ug/l	5000	4790		ug/l	5000	3600		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	2	U	ug/l	50	2.7	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Zinc	4.1	UJ	ug/l	20	12.3	UJ	ug/l	20	15.9	J	ug/l	20	27.3	J	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF513SF			CF513SRF			CF514IF			CF515DF		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF513SF			CF513SRF			CF514IF			CF515DF		
Collect Date:	14-NOV-93			14-NOV-93			14-NOV-93			14-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
LP METALS AND CYANIDE												
Aluminum	1800	ug/l	200	38 U	ug/l	200	155 U	ug/l	200	701 U	ug/l	200
Antimony	20 U	ug/l	60	20 U	ug/l	60	20 U	ug/l	60	20 U	ug/l	60
Arsenic	2 U	ug/l	10	2 U	ug/l	10	67.9 J	ug/l	10	25.1 J	ug/l	10
Barium	44.1	ug/l	200	2 U	ug/l	200	13.6 U	ug/l	200	25.9	ug/l	200
Beryllium	3 U	ug/l	5	3 U	ug/l	5	3 U	ug/l	5	3 U	ug/l	5
Cadmium	4 U	ug/l	5	4 U	ug/l	5	4 U	ug/l	5	4 U	ug/l	5
Calcium	7170	ug/l	5000	37 U	ug/l	5000	314 U	ug/l	5000	1620	ug/l	5000
Chromium	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10
Cobalt	13 U	ug/l	50	13 U	ug/l	50	13 U	ug/l	50	13 U	ug/l	50
Copper	2 U	ug/l	25	2 U	ug/l	25	2 U	ug/l	25	2 U	ug/l	25
Iron	1230	ug/l	100	8 U	ug/l	100	1100	ug/l	100	524	ug/l	100
Lead	1 UJ	ug/l	3	1 UJ	ug/l	3	1 UJ	ug/l	3	1 U	ug/l	3
Magnesium	2370	ug/l	5000	20 U	ug/l	5000	693 U	ug/l	5000	895	ug/l	5000
Manganese	18 U	ug/l	15	2 U	ug/l	15	2.1 U	ug/l	15	5.9 U	ug/l	15
Mercury	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2
Nickel	13.6 U	ug/l	40	11 U	ug/l	40	11 U	ug/l	40	18.8 U	ug/l	40
Potassium	1480	ug/l	5000	42.9 U	ug/l	5000	358 U	ug/l	5000	976	ug/l	5000
Selenium	2 UJ	ug/l	5	2 UJ	ug/l	5	2 UJ	ug/l	5	2 UJ	ug/l	5
Silver	2 U	ug/l	10	2 U	ug/l	10	2 U	ug/l	10	2 U	ug/l	10
Sodium	21000	ug/l	5000	124 U	ug/l	5000	9790	ug/l	5000	5100	ug/l	5000
Thallium	1 U	ug/l	10	1 U	ug/l	10	1	ug/l	10	1 U	ug/l	10
Vanadium	4.8 U	ug/l	50	2 U	ug/l	50	2 U	ug/l	50	3 U	ug/l	50
Zinc	4.2 J	ug/l	20	15.8 J	ug/l	20	21.4 J	ug/l	20	12 J	ug/l	20
Cyanide	-			-			-			-		

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW16SF			CF5MW17IF			CF5MW18DF			CF5MW18DRF		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MW16SF			CF5MW17IF			CF5MW18DF			CF5MW18DRF		
Collect Date:	30-NOV-93			30-NOV-93			30-NOV-93			30-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
LP METALS AND CYANIDE												
Aluminum	266	ug/l	200	150 U	ug/l	200	105 U	ug/l	200	18.3	ug/l	200
Antimony	12 U	ug/l	600	12 U	ug/l	60	12 U	ug/l	60	12 U	ug/l	60
Arsenic	2 UJ	ug/l	10	14.2 J	ug/l	10	13.5 J	ug/l	10	2 UJ	ug/l	10
Barium	16.5	ug/l	200	14.1	ug/l	200	23.6	ug/l	200	1 U	ug/l	200
Beryllium	1 U	ug/l	5	1 U	ug/l	5	1 U	ug/l	5	1 U	ug/l	5
Cadmium	3 U	ug/l	5	3 U	ug/l	5	3 U	ug/l	5	3 U	ug/l	5
Calcium	52600 J	ug/l	5000	288	ug/l	5000	974 J	ug/l	5000	54.5	ug/l	5000
Chromium	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10
Cobalt	4 U	ug/l	50	4 U	ug/l	50	4 U	ug/l	50	4 U	ug/l	50
Copper	2 U	ug/l	25	2 U	ug/l	25	2.2 U	ug/l	25	2 U	ug/l	25
Iron	840	ug/l	100	761	ug/l	100	461	ug/l	100	15.8	ug/l	100
Lead	1 UJ	ug/l	3	1 UJ	ug/l	3	1 UJ	ug/l	3	1 UJ	ug/l	3
Magnesium	1530	ug/l	5000	645	ug/l	5000	892	ug/l	5000	10 U	ug/l	5000
Manganese	55.4	ug/l	15	2 U	ug/l	15	4.5 U	ug/l	15	2 U	ug/l	15
Mercury	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2
Nickel	4 U	ug/l	40	4.1 U	ug/l	40	4 U	ug/l	40	4 U	ug/l	40
Potassium	2470	ug/l	5000	311	ug/l	5000	723	ug/l	5000	23 U	ug/l	5000
Selenium	2 UJ	ug/l	5	2 UJ	ug/l	5	2 UJ	ug/l	5	2 UJ	ug/l	5
Silver	3 U	ug/l	10	3 U	ug/l	10	3 U	ug/l	10	3 U	ug/l	10
Sodium	5230	ug/l	5000	6060	ug/l	5000	6320	ug/l	5000	341	ug/l	5000
Thallium	1 U	ug/l	10	1.2 U	ug/l	10	1 U	ug/l	10	1.1	ug/l	10
Vanadium	7.7	ug/l	50	2.1 J	ug/l	50	2 U	ug/l	50	2 U	ug/l	50
Zinc	8.7 U	ug/l	20	20.4 J	ug/l	20	19.9 U	ug/l	20	15.4	ug/l	20
Cyanide	-			-			-			-		

U = NOT DETECTED J = ESTIMATED VALUE
UJ = R[illegible]RTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = F[illegible] IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW19SDF				CF5MW20SF				CF5MW21IF				10322F			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW19DF				CF5MW20SF				CF5MW21IF				CF5MW22DF			
Collect Date:	30-NOV-93				29-NOV-93				29-NOV-93				29-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	215	U	ug/l	200	174	U	ug/l	200	162	U	ug/l	200	395		ug/l	200
Antimony	12	U	ug/l	60	12	U	ug/l	60	14.2	U	ug/l	60	12	U	ug/l	60
Arsenic	2	UJ	ug/l	10	2	UJ	ug/l	10	2.2	J	ug/l	10	6	J	ug/l	10
Barium	18.9		ug/l	200	17.6		ug/l	200	13.4		ug/l	200	42.1		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Calcium	25700	J	ug/l	5000	227	U	ug/l	5000	468	J	ug/l	5000	6820	J	ug/l	5000
Chromium	5.9	J	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	4	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50	4	U	ug/l	50
Copper	2.8	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	1240		ug/l	100	718		ug/l	100	430		ug/l	100	687		ug/l	100
Lead	1	UJ	ug/l	3	2.2	J	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	2710		ug/l	5000	850		ug/l	5000	537		ug/l	5000	1540		ug/l	5000
Manganese	6.7	U	ug/l	15	2	U	ug/l	15	3.6	U	ug/l	15	8.2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	5.8	U	ug/l	40	4.5	U	ug/l	40	6.5	U	ug/l	40	11.5	U	ug/l	40
Potassium	136	U	ug/l	5000	376		ug/l	5000	593		ug/l	5000	854		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Sodium	9880		ug/l	5000	7830		ug/l	5000	5520		ug/l	5000	4880		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	50	J	ug/l	50	2	U	ug/l	50	2.5		ug/l	50	2.6		ug/l	50
Zinc	20.8	U	ug/l	20	12.3	U	ug/l	20	18.5	U	ug/l	20	15.4	U	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW23SF				CF524SF				CF525IF				CF526DF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW23SF				CF524SF				CF525IF				CF526DF			
Collect Date:	29-NOV-93				16-NOV-93				16-NOV-93				16-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	99.4	U	ug/l	200	98.2	UJ	ug/l	200	157	UJ	ug/l	200	1790		ug/l	200
Antimony	12	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	UJ	ug/l	10	2	U	ug/l	10	76.3		ug/l	10	27.4		ug/l	10
Barium	17.4		ug/l	200	13.3		ug/l	200	19.9		ug/l	200	27.7		ug/l	200
Beryllium	1	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	3	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	1830	J	ug/l	5000	1180		ug/l	5000	972		ug/l	5000	5870		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	4	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	9.7	UJ	ug/l	25	2.9	UJ	ug/l	25	2	UJ	ug/l	25
Iron	428		ug/l	100	128	UJ	ug/l	100	404	UJ	ug/l	100	770	UJ	ug/l	100
Lead	1	UJ	ug/l	3	1	U	ug/l	3	1	U	ug/l	3	1.3	U	ug/l	3
Magnesium	686		ug/l	5000	609		ug/l	5000	614		ug/l	5000	730		ug/l	5000
Manganese	10.8		ug/l	15	3.6	J	ug/l	15	7.1		ug/l	15	10		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	4	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	605		ug/l	5000	87.4	UJ	ug/l	5000	325	UJ	ug/l	5000	738	UJ	ug/l	5000
Selenium	2	UJ	ug/l	5	2	U	ug/l	5	2	U	ug/l	5	2	U	ug/l	5
Silver	3	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	7.1		ug/l	10
Sodium	5080		ug/l	5000	4260		ug/l	5000	4120		ug/l	5000	4770		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	2	U	ug/l	50	2	UJ	ug/l	50	2	UJ	ug/l	50	3.1	UJ	ug/l	50
Zinc	17.5	U	ug/l	20	8.6	UJ	ug/l	20	14	UJ	ug/l	20	17.1	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF527SF			CF5MW28DDF			CF5MW28DF			CF5MW29SDF		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF527SF			CF5MW28DDF			CF5MW28DF			CF5MW29SDF		
Collect Date:	16-NOV-93			01-DEC-93			01-DEC-93			17-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
LP METALS AND CYANIDE												
Aluminum	393	ug/l	200	107 U	ug/l	200	70.2 U	ug/l	200	195 UJ	ug/l	200
Antimony	20 U	ug/l	60	12 U	ug/l	60	12 U	ug/l	60	20 U	ug/l	60
Arsenic	2 U	ug/l	10	2 UJ	ug/l	10	2 UJ	ug/l	10	2 U	ug/l	10
Barium	28.7	ug/l	200	21.3	ug/l	200	22	ug/l	200	27.1	ug/l	200
Beryllium	3 U	ug/l	5	1 U	ug/l	5	1 U	ug/l	5	3 U	ug/l	5
Cadmium	4 UJ	ug/l	5	3 U	ug/l	5	3 U	ug/l	5	4 UJ	ug/l	5
Calcium	10900	ug/l	5000	3560 J	ug/l	5000	2720 J	ug/l	5000	2530	ug/l	5000
Chromium	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10	5 U	ug/l	10
Cobalt	13 U	ug/l	50	4 U	ug/l	50	4 U	ug/l	50	13 U	ug/l	50
Copper	2 UJ	ug/l	25	3 U	ug/l	25	2.3 U	ug/l	25	10.7 U	ug/l	25
Iron	735 UJ	ug/l	100	495	ug/l	100	452	ug/l	100	772 UJ	ug/l	100
Lead	1 U	ug/l	3	1.3 J	ug/l	3	1 UJ	ug/l	3	1 U	ug/l	3
Magnesium	1130	ug/l	5000	716	ug/l	5000	665	ug/l	5000	859	ug/l	5000
Manganese	10.5	ug/l	15	8.8 U	ug/l	15	7 U	ug/l	15	6.7	ug/l	15
Mercury	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2
Nickel	11 U	ug/l	40	4.3 U	ug/l	40	4 U	ug/l	40	11 U	ug/l	40
Potassium	246 UJ	ug/l	5000	758	ug/l	5000	724	ug/l	5000	180 UJ	ug/l	5000
Selenium	2 U	ug/l	5	2 UJ	ug/l	5	2 UJ	ug/l	5	2 U	ug/l	5
Silver	2 U	ug/l	10	3 U	ug/l	10	3 U	ug/l	10	2 U	ug/l	10
Sodium	15400	ug/l	5000	5330	ug/l	5000	4080	ug/l	5000	6160	ug/l	5000
Thallium	1 U	ug/l	10	1 U	ug/l	10	1.3 U	ug/l	10	1 U	ug/l	10
Vanadium	8 UJ	ug/l	50	2.1 J	ug/l	50	2 U	ug/l	50	2 U	ug/l	50
Zinc	3 UJ	ug/l	20	60.3 U	ug/l	20	12.4 U	ug/l	20	14.6 UJ	ug/l	20
Cyanide	-			-			-			-		

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- METALS AND CYANIDE (FILTERED)

Lab Sample Number:	CF5MW29SF				CF5MW30SF			
Site	CECIL2				CECIL2			
Locator	CF5MW29SF				CF5MW30SF			
Collect Date:	17-NOV-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	216	UJ	ug/l	200	283		ug/l	200
Antimony	20	U	ug/l	60	12	U	ug/l	60
Arsenic	2	U	ug/l	10	4.1	J	ug/l	10
Barium	28.9		ug/l	200	17.6		ug/l	200
Beryllium	3	U	ug/l	5	1	U	ug/l	5
Cadmium	4	UJ	ug/l	5	3	U	ug/l	5
Calcium	2720		ug/l	5000	1520	J	ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	4	U	ug/l	50
Copper	2	UJ	ug/l	25	2	U	ug/l	25
Iron	787	UJ	ug/l	100	4490		ug/l	100
Lead	1.4	U	ug/l	3	1.6	J	ug/l	3
Magnesium	922		ug/l	5000	1240		ug/l	5000
Manganese	9.3		ug/l	15	10.3	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	4	U	ug/l	40
Potassium	236	UJ	ug/l	5000	255		ug/l	5000
Selenium	2	U	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	3	U	ug/l	10
Sodium	6260		ug/l	5000	5000		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10
Vanadium	3.8	UJ	ug/l	50	3		ug/l	50
Zinc	36	UJ	ug/l	20	16.6	U	ug/l	20
Cyanide	-				-			

U = NOT DETECTED J = ESTIMATED VALUE
UJ = [illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]LT IS REJECTED AND UNUSABLE

SITE 5 SEDIMENT AND SURFACE WATER DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- VOLATILES

Lab Sample Number:	90054007				90054005				90054006				90054004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW1				5-SW2				SW-DUP3				5-SW3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW																
Chloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromomethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Methylene chloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acetone	10	U	ug/l	10	14		ug/l	10	14		ug/l	10	16		ug/l	10
Carbon disulfide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1-Dichloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1-Dichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloroethene (total)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chloroform	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Butanone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,1-Trichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbon tetrachloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromodichloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloropropane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
cis-1,3-Dichloropropene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Trichloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibromochloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,2-Trichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
trans-1,3-Dichloropropene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromoform	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methyl-2-pentanone	3	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Hexanone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	2	J	ug/l	10
Toluene	2	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,2,2-Tetrachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Ethylbenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Styrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Xylenes (total)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- VOLATILES

Lab Sample Number:	90054003				90054008				90058007				90058008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW4				5-SW5				5-SW6				5-SW7			
Collect Date:	25-JUN-93				25-JUN-93				29-JUN-93				29-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromomethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Methylene chloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acetone	10		ug/l	10	16		ug/l	10	19	U	ug/l	19	19	U	ug/l	19
Carbon disulfide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1-Dichloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1-Dichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloroethene (total)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chloroform	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Butanone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,1-Trichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbon tetrachloride	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromodichloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichloropropane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
cis-1,3-Dichloropropene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Trichloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibromochloromethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,2-Trichloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
trans-1,3-Dichloropropene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromoform	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methyl-2-pentanone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Hexanone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Toluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,2,2-Tetrachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Ethylbenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Styrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Xylenes (total)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	90054007				90054005				90054006				90054004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW1				5-SW2				SW-DUP3				5-SW3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	90054007				90054005				90054006				90054004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW1				5-SW2				SW-DUP3				5-SW3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = P[illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	90054003			90054008			90058007			90058008		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	5-SW4			5-SW5			5-SW6			5-SW7		
Collect Date:	25-JUN-93			25-JUN-93			29-JUN-93			29-JUN-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethyl) ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Chlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,2-oxybis(1-Chloropropane)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethoxy) methane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
2-Chloronaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dimethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acenaphthylene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Acenaphthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4-Nitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dibenzofuran	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4,6-Dinitro-2-methylphenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
N-Nitrosodiphenylamine (1)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Phenanthrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Anthracene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Carbazole	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Di-n-butylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pyrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	90054003				90054008				90058007				90058008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW4				5-SW5				5-SW6				5-SW7			
Collect Date:	25-JUN-93				25-JUN-93				29-JUN-93				29-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- PESTICIDES AND PCBs

Lab Sample Number:	90054007				90054005				90054006				90054004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW1				5-SW2				SW-DUP3				5-SW3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- PESTICIDES AND PCBs

Lab Sample Number:	90054003				90054008				90058007				90058008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW4				5-SW5				5-SW6				5-SW7			
Collect Date:	25-JUN-93				25-JUN-93				29-JUN-93				29-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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R = [illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- METALS AND CYANIDE

Lab Sample Number:	90054007				90054005				90054006				90054004			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW1				5-SW2				SW-DUP3				5-SW3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	658	J	ug/l	200	766	J	ug/l	200	1090	J	ug/l	200	149	J	ug/l	200
Antimony	20.2	U	ug/l	60	20.2	U	ug/l	60	20.2	U	ug/l	60	20.2	U	ug/l	60
Arsenic	1.7	U	ug/l	10	1.7	U	ug/l	10	1.7	U	ug/l	10	1.7	U	ug/l	10
Barium	20.7	J	ug/l	200	22.7	J	ug/l	200	24.4	J	ug/l	200	16.2	J	ug/l	200
Beryllium	.23	U	ug/l	5	.23	U	ug/l	5	.23	U	ug/l	5	.23	U	ug/l	5
Cadmium	.17	U	ug/l	5	.19	J	ug/l	5	.17	U	ug/l	5	.17	U	ug/l	5
Calcium	6000		ug/l	5000	5900		ug/l	5000	6000		ug/l	5000	2880	J	ug/l	5000
Chromium	2.5	U	ug/l	10	2.5	U	ug/l	10	2.5	U	ug/l	10	2.5	U	ug/l	10
Cobalt	4.8	U	ug/l	50	4.8	U	ug/l	50	4.8	U	ug/l	50	4.8	U	ug/l	50
Copper	2.2	U	ug/l	25	3	U	ug/l	25	1.9	U	ug/l	25	1.9	U	ug/l	25
Iron	3610		ug/l	100	2760		ug/l	100	3090		ug/l	100	1250		ug/l	100
Lead	2.9	J	ug/l	5	2.3	J	ug/l	5	2.8	J	ug/l	5	1.1	U	ug/l	5
Magnesium	1020	J	ug/l	5000	754	J	ug/l	5000	762	J	ug/l	5000	626	J	ug/l	5000
Manganese	35.5		ug/l	15	9.1	J	ug/l	15	9.4	J	ug/l	15	8	J	ug/l	15
Mercury	.08	UJ	ug/l	.2	.08	UJ	ug/l	.2	.08	UJ	ug/l	.2	.08	UJ	ug/l	.2
Nickel	9.2	U	ug/l	40	9.2	U	ug/l	40	16.6	U	ug/l	40	9.2	U	ug/l	40
Potassium	1060	U	ug/l	5000	393	U	ug/l	5000	452	U	ug/l	5000	876	U	ug/l	5000
Selenium	1.6	U	ug/l	5	1.6	U	ug/l	5	1.6	U	ug/l	5	1.6	U	ug/l	5
Silver	.14	U	ug/l	10	.14	U	ug/l	10	10		ug/l	10	.14	U	ug/l	10
Sodium	5760		ug/l	5000	4640	J	ug/l	5000	4640	J	ug/l	5000	4720	J	ug/l	5000
Thallium	1.3	U	ug/l	10	1.3	U	ug/l	10	1.3	U	ug/l	10	1.3	U	ug/l	10
Vanadium	44.3	J	ug/l	50	6.5	J	ug/l	50	7.3	J	ug/l	50	2	U	ug/l	50
Zinc	38.7		ug/l	20	14.9	J	ug/l	20	14.3	U	ug/l	20	6.2	U	ug/l	20
Cyanide	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF59IR				CF510S				CF511I				CF512D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF59IR				CF510S				CF511I				CF512D			
Collect Date:	16-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = R[illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF513S				CF513SR				CF514I				CF515D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF513S				CF513SR				CF514I				CF515D			
Collect Date:	14-NOV-93				14-NOV-93				14-NOV-93				14-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	2	J	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF513S				CF513SR				CF514I				CF515D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF513S				CF513SR				CF514I				CF515D			
Collect Date:	14-NOV-93				14-NOV-93				14-NOV-93				14-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	1	J	ug/l	10	10	U	ug/l	10	1	J	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW16S				CF5MW17I				CF5MW18D				CF5MW18DR			
Collect Date:	30-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P SEMIVOLATILES 90-SOW																
Phenol	10	UJ	ug/l	10	.8	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- METALS AND CYANIDE

Lab Sample Number:	90054003				90054008				90058007				90058008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW4				5-SW5				5-SW6				5-SW7			
Collect Date:	25-JUN-93				25-JUN-93				29-JUN-93				29-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2320	J	ug/l	200	738	J	ug/l	200	365	J	ug/l	200	552	J	ug/l	200
Antimony	20.2	U	ug/l	60	20.2	U	ug/l	60	20.2	U	ug/l	60	20.2	U	ug/l	60
Arsenic	1.7	U	ug/l	10	1.7	U	ug/l	10	1.8	U	ug/l	10	2.4	U	ug/l	10
Barium	48.6	J	ug/l	200	14.2	J	ug/l	200	26.9	J	ug/l	200	27.6	J	ug/l	200
Beryllium	.23	U	ug/l	5	.23	U	ug/l	5	.23	U	ug/l	5	.23	U	ug/l	5
Cadmium	.17	U	ug/l	5	.17	U	ug/l	5	.17	U	ug/l	5	.17	U	ug/l	5
Calcium	8020		ug/l	5000	2470	J	ug/l	5000	14800		ug/l	5000	20400		ug/l	5000
Chromium	2.5	U	ug/l	10	3.3	J	ug/l	10	2.5	U	ug/l	10	2.5	U	ug/l	10
Cobalt	4.8	U	ug/l	50	4.8	U	ug/l	50	4.8	U	ug/l	50	4.8	U	ug/l	50
Copper	1.6	U	ug/l	25	1.6	U	ug/l	25	1.6	U	ug/l	25	1.6	U	ug/l	25
Iron	1680		ug/l	100	1260		ug/l	100	153	J	ug/l	100	263	J	ug/l	100
Lead	6.4		ug/l	5	1.2	J	ug/l	5	2.1	U	ug/l	5	2.3	U	ug/l	5
Magnesium	1400	J	ug/l	5000	576	J	ug/l	5000	2000	J	ug/l	5000	2490	J	ug/l	5000
Manganese	9.1	J	ug/l	15	9.2	J	ug/l	15	41.6		ug/l	15	35.8		ug/l	15
Mercury	.08	UJ	ug/l	.2	.08	UJ	ug/l	.2	.08	U	ug/l	.2	.08	U	ug/l	.2
Nickel	9.2	U	ug/l	40	9.2	U	ug/l	40	9.2	U	ug/l	40	9.2	U	ug/l	40
Potassium	743	U	ug/l	5000	800	U	ug/l	5000	3700	J	ug/l	5000	3790	J	ug/l	5000
Selenium	1.6	U	ug/l	5	1.6	U	ug/l	5	1.6	UJ	ug/l	5	1.6	U	ug/l	5
Silver	.14	U	ug/l	10	.14	U	ug/l	10	.14	U	ug/l	10	.14	U	ug/l	10
Sodium	6310		ug/l	5000	5220		ug/l	5000	26500	J	ug/l	5000	18200	J	ug/l	5000
Thallium	1.3	U	ug/l	10	1.3	U	ug/l	10	1.3	U	ug/l	10	1.3	U	ug/l	10
Vanadium	2.5	J	ug/l	50	2	U	ug/l	50	4.2	U	ug/l	50	6.2	U	ug/l	50
Zinc	27.2		ug/l	20	40.7		ug/l	20	45.4		ug/l	20	45.7		ug/l	20
Cyanide	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- VOLATILES

Lab Sample Number:	90093007				90054018				90054020				90054016			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD2				SD-DUP3				5-SD3			
Collect Date:	17-AUG-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Bromomethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Vinyl chloride	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Chloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Methylene chloride	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Acetone	42		ug/kg	15	13	J	ug/kg	14	12	J	ug/kg	14	13	J	ug/kg	17
Carbon disulfide	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,1-Dichloroethene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,1-Dichloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,2-Dichloroethene (total)	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Chloroform	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,2-Dichloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
2-Butanone	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,1,1-Trichloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Carbon tetrachloride	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Bromodichloromethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,2-Dichloropropane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
cis-1,3-Dichloropropene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Trichloroethene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Dibromochloromethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
1,1,2-Trichloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Benzene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
trans-1,3-Dichloropropene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Bromoform	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
4-Methyl-2-pentanone	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
2-Hexanone	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Tetrachloroethene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Toluene	8	J	ug/kg	15	20		ug/kg	14	14	U	ug/kg	14	13	J	ug/kg	17
1,1,2,2-Tetrachloroethane	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Chlorobenzene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Ethylbenzene	9	J	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Styrene	15	U	ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17
Xylenes (total)	53		ug/kg	15	14	U	ug/kg	14	14	U	ug/kg	14	17	U	ug/kg	17

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- VOLATILES

Lab Sample Number:	90054014			90091005			90091013			90091013MS		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	5-SD4			5SD5			5SD6			5SD6MS		
Collect Date:	25-JUN-93			16-AUG-93			16-AUG-93			16-AUG-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Bromomethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Vinyl chloride	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Chloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Methylene chloride	11 J	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Acetone	110	ug/kg	50	24	ug/kg	14	19 UJ	ug/kg	19	21	ug/kg	19
Carbon disulfide	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,1-Dichloroethene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,1-Dichloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,2-Dichloroethene (total)	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Chloroform	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,2-Dichloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
2-Butanone	29 J	ug/kg	50	4 J	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,1,1-Trichloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Carbon tetrachloride	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Bromodichloromethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,2-Dichloropropane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
cis-1,3-Dichloropropene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Trichloroethene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Dibromochloromethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,1,2-Trichloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Benzene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
trans-1,3-Dichloropropene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Bromoform	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
4-Methyl-2-pentanone	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
2-Hexanone	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Tetrachloroethene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Toluene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
1,1,2,2-Tetrachloroethane	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Chlorobenzene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Ethylbenzene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Styrene	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19
Xylenes (total)	50 U	ug/kg	50	14 U	ug/kg	14	19 UJ	ug/kg	19	19 U	ug/kg	19

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- VOLATILES

Lab Sample Number:	90091013MS				90093005			
Site	CECIL				CECIL			
Locator	5SD6MSD				5-SD-7			
Collect Date:	16-AUG-93				17-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	19	U	ug/kg	19	42	U	ug/kg	42
Bromomethane	19	U	ug/kg	19	42	U	ug/kg	42
Vinyl chloride	19	U	ug/kg	19	42	U	ug/kg	42
Chloroethane	19	U	ug/kg	19	42	U	ug/kg	42
Methylene chloride	19	U	ug/kg	19	42	U	ug/kg	42
Acetone	19	U	ug/kg	19	830		ug/kg	42
Carbon disulfide	19	U	ug/kg	19	42	U	ug/kg	42
1,1-Dichloroethene	19	U	ug/kg	19	42	U	ug/kg	42
1,1-Dichloroethane	19	U	ug/kg	19	42	U	ug/kg	42
1,2-Dichloroethene (total)	19	U	ug/kg	19	42	U	ug/kg	42
Chloroform	19	U	ug/kg	19	42	U	ug/kg	42
1,2-Dichloroethane	19	U	ug/kg	19	42	U	ug/kg	42
2-Butanone	19	U	ug/kg	19	42	U	ug/kg	42
1,1,1-Trichloroethane	19	U	ug/kg	19	42	U	ug/kg	42
Carbon tetrachloride	19	U	ug/kg	19	42	U	ug/kg	42
Bromodichloromethane	19	U	ug/kg	19	42	U	ug/kg	42
1,2-Dichloropropane	19	U	ug/kg	19	42	U	ug/kg	42
cis-1,3-Dichloropropene	19	U	ug/kg	19	42	U	ug/kg	42
Trichloroethene	19	U	ug/kg	19	42	U	ug/kg	42
Dibromochloromethane	19	U	ug/kg	19	42	U	ug/kg	42
1,1,2-Trichloroethane	19	U	ug/kg	19	42	U	ug/kg	42
Benzene	19	U	ug/kg	19	42	U	ug/kg	42
trans-1,3-Dichloropropene	19	U	ug/kg	19	42	U	ug/kg	42
Bromoform	19	U	ug/kg	19	42	U	ug/kg	42
4-Methyl-2-pentanone	19	U	ug/kg	19	42	U	ug/kg	42
2-Hexanone	19	U	ug/kg	19	42	U	ug/kg	42
Tetrachloroethene	19	U	ug/kg	19	42	U	ug/kg	42
Toluene	19	U	ug/kg	19	42	U	ug/kg	42
1,1,2,2-Tetrachloroethane	19	U	ug/kg	19	42	U	ug/kg	42
Chlorobenzene	19	U	ug/kg	19	42	U	ug/kg	42
Ethylbenzene	19	U	ug/kg	19	42	U	ug/kg	42
Styrene	19	U	ug/kg	19	42	U	ug/kg	42
Xylenes (total)	19	U	ug/kg	19	42	U	ug/kg	42

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90093008				90054019				90054021				90054017			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD2				SD-DUP3				5-SD3			
Collect Date:	17-AUG-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
bis(2-Chloroethyl) ether	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2-Chlorophenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
1,3-Dichlorobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
1,4-Dichlorobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
1,2-Dichlorobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2-Methylphenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,2-oxybis(1-Chloropropane)	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Methylphenol	460	U	ug/kg	460	75	J	ug/kg	520	520	U	ug/kg	520	66	J	ug/kg	520
N-Nitroso-di-n-propylamine	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Hexachloroethane	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Nitrobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Isophorone	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2-Nitrophenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4-Dimethylphenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
bis(2-Chloroethoxy) methane	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4-Dichlorophenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
1,2,4-Trichlorobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Naphthalene	1100		ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Chloroaniline	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Hexachlorobutadiene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Chloro-3-methylphenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2-Methylnaphthalene	1500		ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Hexachlorocyclopentadiene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4,6-Trichlorophenol	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4,5-Trichlorophenol	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
2-Chloronaphthalene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2-Nitroaniline	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
Dimethylphthalate	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Acenaphthylene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,6-Dinitrotoluene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
3-Nitroaniline	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
Acenaphthene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4-Dinitrophenol	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
4-Nitrophenol	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
Dibenzofuran	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
2,4-Dinitrotoluene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Diethylphthalate	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Chlorophenyl-phenylether	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Fluorene	230	J	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Nitroaniline	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
N-Nitrosodiphenylamine (1)	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
4-Bromophenyl-phenylether	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Hexachlorobenzene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Pentachlorophenol	1100	U	ug/kg	1100	1300	U	ug/kg	1300	1200	U	ug/kg	1200	1200	U	ug/kg	1200
Phenanthrene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Anthracene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Carbazole	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Di-n-butylphthalate	460	U	ug/kg	460	520	U	ug/kg	520	170	J	ug/kg	520	520	U	ug/kg	520
Fluoranthene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Pyrene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Butylbenzylphtha'	460	U	ug/kg	460	520	U	u'	520	520	U	ug/kg	520	520	U	ug/kg	9

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90093008				90054019				90054021				90054017			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD2				SD-DUP3				5-SD3			
Collect Date:	17-AUG-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Benzo (a) anthracene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Chrysene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
bis(2-Ethylhexyl) phthalate	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Di-n-octylphthalate	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Benzo (b) fluoranthene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Benzo (k) fluoranthene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Benzo (a) pyrene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Indeno (1,2,3-cd) pyrene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Dibenz (a,h) anthracene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520
Benzo (g,h,i) perylene	460	U	ug/kg	460	520	U	ug/kg	520	520	U	ug/kg	520	520	U	ug/kg	520

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90054015				90091006				90091014				90091014MS			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD4				5SD5				5SD6				5SD6MS			
Collect Date:	25-JUN-93				16-AUG-93				16-AUG-93				16-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	4300		ug/kg	630
bis(2-Chloroethyl) ether	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2-Chlorophenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	3800		ug/kg	630
1,3-Dichlorobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
1,4-Dichlorobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	2400		ug/kg	630
1,2-Dichlorobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2-Methylphenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,2-oxybis(1-Chloropropane)	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Methylphenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
N-Nitroso-di-n-propylamine	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	2700		ug/kg	630
Hexachloroethane	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Nitrobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Isophorone	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2-Nitrophenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,4-Dimethylphenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
bis(2-Chloroethoxy) methane	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,4-Dichlorophenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
1,2,4-Trichlorobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	2500		ug/kg	630
Naphthalene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Chloroaniline	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Hexachlorobutadiene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Chloro-3-methylphenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	4500		ug/kg	630
2-Methylnaphthalene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Hexachlorocyclopentadiene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,4,6-Trichlorophenol	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,4,5-Trichlorophenol	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
2-Chloronaphthalene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2-Nitroaniline	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Dimethylphthalate	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Acenaphthylene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,6-Dinitrotoluene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
3-Nitroaniline	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Acenaphthene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	2300		ug/kg	630
2,4-Dinitrophenol	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
4-Nitrophenol	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	5500		ug/kg	1500
Dibenzofuran	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
2,4-Dinitrotoluene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	2700		ug/kg	630
Diethylphthalate	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Chlorophenyl-phenylether	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Fluorene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Nitroaniline	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
4,6-Dinitro-2-methylphenol	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	1500	U	ug/kg	1500
N-Nitrosodiphenylamine (1)	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
4-Bromophenyl-phenylether	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Hexachlorobenzene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Pentachlorophenol	5000	U	ug/kg	5000	990	U	ug/kg	990	1500	U	ug/kg	1500	3800		ug/kg	1500
Phenanthrene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Anthracene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Carbazole	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Di-n-butylphthalate	2100	U	ug/kg	2100	460	U	ug/kg	460	720	U	ug/kg	720	770		ug/kg	630
Fluoranthene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Pyrene	2100	U	ug/kg	2100	410	U	[illegible]	410	630	U	ug/kg	630	2300		ug/kg	630

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90054015				90091006				90091014				90091014MS			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD4				5SD5				5SD6				5SD6MS			
Collect Date:	25-JUN-93				16-AUG-93				16-AUG-93				16-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
3,3-Dichlorobenzidine	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Benzo (a) anthracene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Chrysene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
bis(2-Ethylhexyl) phthalate	1900	J	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Di-n-octylphthalate	410	J	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Benzo (b) fluoranthene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Benzo (k) fluoranthene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Benzo (a) pyrene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Indeno (1,2,3-cd) pyrene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Dibenz (a,h) anthracene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630
Benzo (g,h,i) perylene	2100	U	ug/kg	2100	410	U	ug/kg	410	630	U	ug/kg	630	630	U	ug/kg	630

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90091014MS				90093006			
Site	CECIL				CECIL			
Locator	5SD6MSD				5-SD-7			
Collect Date:	16-AUG-93				17-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	4200		ug/kg	630	1400	U	ug/kg	1400
bis(2-Chloroethyl) ether	630	U	ug/kg	630	1400	U	ug/kg	1400
2-Chlorophenol	3700		ug/kg	630	1400	U	ug/kg	1400
1,3-Dichlorobenzene	630	U	ug/kg	630	1400	U	ug/kg	1400
1,4-Dichlorobenzene	2300		ug/kg	630	1400	U	ug/kg	1400
1,2-Dichlorobenzene	630	U	ug/kg	630	1400	U	ug/kg	1400
2-Methylphenol	630	U	ug/kg	630	1400	U	ug/kg	1400
2,2-oxybis(1-Chloropropane)	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Methylphenol	630	U	ug/kg	630	1400	U	ug/kg	1400
N-Nitroso-di-n-propylamine	2700		ug/kg	630	1400	U	ug/kg	1400
Hexachloroethane	630	U	ug/kg	630	1400	U	ug/kg	1400
Nitrobenzene	630	U	ug/kg	630	1400	U	ug/kg	1400
Isophorone	630	U	ug/kg	630	1400	U	ug/kg	1400
2-Nitrophenol	630	U	ug/kg	630	1400	U	ug/kg	1400
2,4-Dimethylphenol	630	U	ug/kg	630	1400	U	ug/kg	1400
bis(2-Chloroethoxy) methane	630	U	ug/kg	630	1400	U	ug/kg	1400
2,4-Dichlorophenol	630	U	ug/kg	630	1400	U	ug/kg	1400
1,2,4-Trichlorobenzene	2500		ug/kg	630	1400	U	ug/kg	1400
Naphthalene	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Chloroaniline	630	U	ug/kg	630	1400	U	ug/kg	1400
Hexachlorobutadiene	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Chloro-3-methylphenol	4400		ug/kg	630	1400	U	ug/kg	1400
2-Methylnaphthalene	630	U	ug/kg	630	1400	U	ug/kg	1400
Hexachlorocyclopentadiene	630	U	ug/kg	630	1400	U	ug/kg	1400
2,4,6-Trichlorophenol	630	U	ug/kg	630	1400	U	ug/kg	1400
2,4,5-Trichlorophenol	1500	U	ug/kg	1500	3500	U	ug/kg	3500
2-Chloronaphthalene	630	U	ug/kg	630	1400	U	ug/kg	1400
2-Nitroaniline	1500	U	ug/kg	1500	3500	U	ug/kg	3500
Dimethylphthalate	630	U	ug/kg	630	1400	U	ug/kg	1400
Acenaphthylene	630	U	ug/kg	630	1400	U	ug/kg	1400
2,6-Dinitrotoluene	630	U	ug/kg	630	1400	U	ug/kg	1400
3-Nitroaniline	1500	U	ug/kg	1500	3500	U	ug/kg	3500
Acenaphthene	2400		ug/kg	630	1400	U	ug/kg	1400
2,4-Dinitrophenol	1500	U	ug/kg	1500	3500	U	ug/kg	3500
4-Nitrophenol	5300		ug/kg	1500	3500	U	ug/kg	3500
Dibenzofuran	630	U	ug/kg	630	1400	U	ug/kg	1400
2,4-Dinitrotoluene	2800		ug/kg	630	1400	U	ug/kg	1400
Diethylphthalate	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Chlorophenyl-phenylether	630	U	ug/kg	630	1400	U	ug/kg	1400
Fluorene	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Nitroaniline	1500	U	ug/kg	1500	3500	U	ug/kg	3500
4,6-Dinitro-2-methylphenol	1500	U	ug/kg	1500	3500	U	ug/kg	3500
N-Nitrosodiphenylamine (1)	630	U	ug/kg	630	1400	U	ug/kg	1400
4-Bromophenyl-phenylether	630	U	ug/kg	630	1400	U	ug/kg	1400
Hexachlorobenzene	630	U	ug/kg	630	1400	U	ug/kg	1400
Pentachlorophenol	3800		ug/kg	1500	3500	U	ug/kg	3500
Phenanthrene	630	U	ug/kg	630	1400	U	ug/kg	1400
Anthracene	630	U	ug/kg	630	1400	U	ug/kg	1400
Carbazole	630	U	ug/kg	630	1400	U	ug/kg	1400
Di-n-butylphthalate	720		ug/kg	630	1400	U	ug/kg	1400
Fluoranthene	630	U	ug/kg	630	1400	U	ug/kg	1400
Pyrene	2400		ug/kg	630	1400	U	ug/kg	1400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	90091014MS				90093006			
Site	CECIL				CECIL			
Locator	5SD6MSD				5-SD-7			
Collect Date:	16-AUG-93				17-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	630	U	ug/kg	630	1400	U	ug/kg	1400
3,3-Dichlorobenzidine	630	U	ug/kg	630	1400	U	ug/kg	1400
Benzo (a) anthracene	630	U	ug/kg	630	1400	U	ug/kg	1400
Chrysene	630	U	ug/kg	630	1400	U	ug/kg	1400
bis(2-Ethylhexyl) phthalate	630	U	ug/kg	630	1400	U	ug/kg	1400
Di-n-octylphthalate	630	U	ug/kg	630	1400	U	ug/kg	1400
Benzo (b) fluoranthene	630	U	ug/kg	630	1400	U	ug/kg	1400
Benzo (k) fluoranthene	630	U	ug/kg	630	1400	U	ug/kg	1400
Benzo (a) pyrene	630	U	ug/kg	630	1400	U	ug/kg	1400
Indeno (1,2,3-cd) pyrene	630	U	ug/kg	630	1400	U	ug/kg	1400
Dibenz (a,h) anthracene	630	U	ug/kg	630	1400	U	ug/kg	1400
Benzo (g,h,i) perylene	630	U	ug/kg	630	1400	U	ug/kg	1400

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	90093008				90054019				90054021				90054M19			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD2				SD-DUP3				5-SD2MS			
Collect Date:	17-AUG-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
beta-BHC	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
delta-BHC	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
gamma-BHC (Lindane)	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	17		ug/kg	2
Heptachlor	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	17		ug/kg	2
Aldrin	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	18		ug/kg	2
Heptachlor epoxide	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
Endosulfan I	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
Dieldrin	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	34		ug/kg	4
4,4-DDE	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
Endrin	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	37		ug/kg	4
Endosulfan II	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
4,4-DDD	27	J	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
Endosulfan sulfate	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
4,4-DDT	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	36		ug/kg	4
Methoxychlor	120	UJ	ug/kg	120	24	U	ug/kg	24	24	U	ug/kg	24	24	U	ug/kg	24
Endrin ketone	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
Endrin aldehyde	24	UJ	ug/kg	24	4.6	U	ug/kg	4.6	4.7	U	ug/kg	4.7	4.6	U	ug/kg	4.6
alpha-Chlordane	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
gamma-Chlordane	12	UJ	ug/kg	12	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4	2.4	U	ug/kg	2.4
Toxaphene	1200	UJ	ug/kg	1200	240	U	ug/kg	240	240	U	ug/kg	240	240	U	ug/kg	240
Aroclor-1016	240	UJ	ug/kg	240	46	U	ug/kg	46	47	U	ug/kg	47	46	U	ug/kg	46
Aroclor-1221	490	UJ	ug/kg	490	93	U	ug/kg	93	96	U	ug/kg	96	93	U	ug/kg	93
Aroclor-1232	240	UJ	ug/kg	240	46	U	ug/kg	46	47	U	ug/kg	47	46	U	ug/kg	46
Aroclor-1242	240	UJ	ug/kg	240	46	U	ug/kg	46	47	U	ug/kg	47	46	U	ug/kg	46
Aroclor-1248	240	UJ	ug/kg	240	46	U	ug/kg	46	47	U	ug/kg	47	46	U	ug/kg	46
Aroclor-1254	240	UJ	ug/kg	240	46	U	ug/kg	46	47	U	ug/kg	47	46	U	ug/kg	46
Aroclor-1260	330	J	ug/kg	240	70		ug/kg	46	60		ug/kg	47	67		ug/kg	46

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	90054D19				90054017				90054015				90091006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD2MSD				5-SD3				5-SD4				5SD5			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				16-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
beta-BHC	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
delta-BHC	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
gamma-BHC (Lindane)	17		ug/kg	2	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Heptachlor	17		ug/kg	2	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Aldrin	18		ug/kg	2	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Heptachlor epoxide	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Endosulfan I	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Dieldrin	36		ug/kg	4	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
4,4-DDE	4.6	U	ug/kg	4.6	3.7	J	ug/kg	5	19	U	ug/kg	19	4.4	U	ug/kg	4.4
Endrin	39		ug/kg	4	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
Endosulfan II	4.6	U	ug/kg	4.6	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
4,4-DDD	4.6	U	ug/kg	4.6	8		ug/kg	5	19	U	ug/kg	19	4.4	U	ug/kg	4.4
Endosulfan sulfate	4.6	U	ug/kg	4.6	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
4,4-DDT	38		ug/kg	4	8.6		ug/kg	5	19	U	ug/kg	19	4.4	U	ug/kg	4.4
Methoxychlor	24	U	ug/kg	24	25	U	ug/kg	25	100	U	ug/kg	100	23	U	ug/kg	23
Endrin ketone	4.6	U	ug/kg	4.6	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
Endrin aldehyde	4.6	U	ug/kg	4.6	4.9	U	ug/kg	4.9	19	U	ug/kg	19	4.4	U	ug/kg	4.4
alpha-Chlordane	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
gamma-Chlordane	2.4	U	ug/kg	2.4	2.5	U	ug/kg	2.5	10	U	ug/kg	10	2.3	U	ug/kg	2.3
Toxaphene	240	U	ug/kg	240	250	U	ug/kg	250	1000	U	ug/kg	1000	230	U	ug/kg	230
Aroclor-1016	46	U	ug/kg	46	49	U	ug/kg	49	190	U	ug/kg	190	44	U	ug/kg	44
Aroclor-1221	93	U	ug/kg	93	99	U	ug/kg	99	390	U	ug/kg	390	89	U	ug/kg	89
Aroclor-1232	46	U	ug/kg	46	49	U	ug/kg	49	190	U	ug/kg	190	44	U	ug/kg	44
Aroclor-1242	46	U	ug/kg	46	49	U	ug/kg	49	190	U	ug/kg	190	44	U	ug/kg	44
Aroclor-1248	46	U	ug/kg	46	49	U	ug/kg	49	190	U	ug/kg	190	44	U	ug/kg	44
Aroclor-1254	46	U	ug/kg	46	49	U	ug/kg	49	190	U	ug/kg	190	88	U	ug/kg	88
Aroclor-1260	75		ug/kg	46	140		ug/kg	48	260	R	ug/kg	190	88	U	ug/kg	88

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	90091014				90091M14				90091D14				90093006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5SD6				5SD6MS				5SD6MSD				5-SD-7			
Collect Date:	16-AUG-93				16-AUG-93				16-AUG-93				17-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
beta-BHC	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
delta-BHC	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
gamma-BHC (Lindane)	3.4	U	ug/kg	3.4	37		ug/kg	3	37		ug/kg	3	6.3	U	ug/kg	6.3
Heptachlor	3.4	U	ug/kg	3.4	34		ug/kg	3	34		ug/kg	3	6.3	U	ug/kg	6.3
Aldrin	3.4	U	ug/kg	3.4	40		ug/kg	3	36		ug/kg	3	6.3	U	ug/kg	6.3
Heptachlor epoxide	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
Endosulfan I	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
Dieldrin	6.6	U	ug/kg	6.6	81		ug/kg	7	80		ug/kg	7	12	U	ug/kg	12
4,4-DDE	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
Endrin	6.6	U	ug/kg	6.6	73		ug/kg	7	72		ug/kg	7	12	U	ug/kg	12
Endosulfan II	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
4,4-DDD	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
Endosulfan sulfate	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
4,4-DDT	6.6	U	ug/kg	6.6	77		ug/kg	7	75		ug/kg	7	12	U	ug/kg	12
Methoxychlor	34	U	ug/kg	34	34	U	ug/kg	34	34	U	ug/kg	34	63	U	ug/kg	63
Endrin ketone	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
Endrin aldehyde	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	6.6	U	ug/kg	6.6	12	U	ug/kg	12
alpha-Chlordane	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
gamma-Chlordane	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	3.4	U	ug/kg	3.4	6.3	U	ug/kg	6.3
Toxaphene	340	U	ug/kg	340	340	U	ug/kg	340	340	U	ug/kg	340	630	U	ug/kg	630
Aroclor-1016	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120
Aroclor-1221	130	U	ug/kg	130	130	U	ug/kg	130	130	U	ug/kg	130	250	U	ug/kg	250
Aroclor-1232	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120
Aroclor-1242	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120
Aroclor-1248	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120
Aroclor-1254	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120
Aroclor-1260	66	U	ug/kg	66	66	U	ug/kg	66	66	U	ug/kg	66	120	U	ug/kg	120

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- METALS AND CYANIDE

Lab Sample Number:	90093008				90054019				90054021				90054017			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD2				SD-DUP3				5-SD3			
Collect Date:	17-AUG-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1210	J	mg/kg	40	693		mg/kg	40	765		mg/kg	40	1970		mg/kg	40
Antimony	5.3	U	mg/kg	12	5.7	U	mg/kg	12	5.9	U	mg/kg	12	6.7	U	mg/kg	12
Arsenic	.89	U	mg/kg	2	.47	U	mg/kg	2	.48	U	mg/kg	2	.55	U	mg/kg	2
Barium	7.2	J	mg/kg	40	4.7	J	mg/kg	40	4.8	J	mg/kg	40	11.2	J	mg/kg	40
Beryllium	.16	J	mg/kg	1	.08	U	mg/kg	1	.08	U	mg/kg	1	.15	U	mg/kg	1
Cadmium	1	U	mg/kg	1	.74	U	mg/kg	1	.76	U	mg/kg	1	.86	U	mg/kg	1
Calcium	99.9	J	mg/kg	1000	138	J	mg/kg	1000	139	J	mg/kg	1000	304	J	mg/kg	1000
Chromium	1.4	J	mg/kg	2	.92	J	mg/kg	2	1.2	J	mg/kg	2	2.6	J	mg/kg	2
Cobalt	1	U	mg/kg	10	1.3	U	mg/kg	10	1.4	U	mg/kg	10	1.6	U	mg/kg	10
Copper	.79	U	mg/kg	5	.72	U	mg/kg	5	3.8	U	mg/kg	5	2	U	mg/kg	5
Iron	141		mg/kg	20	127		mg/kg	20	152		mg/kg	20	203		mg/kg	20
Lead	6.4	J	mg/kg	1	3		mg/kg	1	3.5		mg/kg	1	7.8		mg/kg	1
Magnesium	28.8	J	mg/kg	1000	18.3	J	mg/kg	1000	24.7	J	mg/kg	1000	59.4	J	mg/kg	1000
Manganese	.91	J	mg/kg	3	.52	U	mg/kg	3	.65	U	mg/kg	3	1.9	U	mg/kg	3
Mercury	.04	U	mg/kg	.1	.02	UJ	mg/kg	.1	.02	UJ	mg/kg	.1	.02	UJ	mg/kg	.1
Nickel	3.8	UJ	mg/kg	8	2.6	U	mg/kg	8	2.7	U	mg/kg	8	3	U	mg/kg	8
Potassium	132	UJ	mg/kg	1000	111	U	mg/kg	1000	114	U	mg/kg	1000	130	U	mg/kg	1000
Selenium	.51	UJ	mg/kg	1	.46	U	mg/kg	1	.47	U	mg/kg	1	.54	U	mg/kg	1
Silver	1.3	U	mg/kg	2	.69	U	mg/kg	2	.71	U	mg/kg	2	.81	U	mg/kg	2
Sodium	13.8	UJ	mg/kg	1000	13.2	U	mg/kg	1000	12.2	U	mg/kg	1000	11.1	U	mg/kg	1000
Thallium	.27	U	mg/kg	2	.38	U	mg/kg	2	.39	U	mg/kg	2	.44	U	mg/kg	2
Vanadium	1.6	U	mg/kg	10	1.5	J	mg/kg	10	1.2	J	mg/kg	10	3.5	J	mg/kg	10
Zinc	3.9	J	mg/kg	4	2.3	U	mg/kg	4	2.7	U	mg/kg	4	2.9	U	mg/kg	4
Cyanide	.26	U	mg/kg	1	.43	U	mg/kg	1	.44	U	mg/kg	1	.5	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- METALS AND CYANIDE

Lab Sample Number:	90054015				90091006				90091014				90093006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD4				5SD5				5SD6				5-SD-7			
Collect Date:	25-JUN-93				16-AUG-93				16-AUG-93				17-AUG-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	11000		mg/kg	40	366		mg/kg	40	7060		mg/kg	40	12700		mg/kg	40
Antimony	19.8	U	mg/kg	12	5	U	mg/kg	12	6.6	U	mg/kg	12	14.3	U	mg/kg	12
Arsenic	4.4	U	mg/kg	2	.83	U	mg/kg	2	2.6	J	mg/kg	2	4.5	J	mg/kg	2
Barium	55.4	J	mg/kg	40	3	J	mg/kg	40	18.7	J	mg/kg	40	27.5	J	mg/kg	40
Beryllium	.38	U	mg/kg	1	.13	U	mg/kg	1	.34	U	mg/kg	1	.63	J	mg/kg	1
Cadmium	2.6	U	mg/kg	1	.97	U	mg/kg	1	1.3	U	mg/kg	1	2.8	U	mg/kg	1
Calcium	2160	J	mg/kg	1000	72.1	J	mg/kg	1000	1670	J	mg/kg	1000	4140		mg/kg	1000
Chromium	10		mg/kg	2	.68	U	mg/kg	2	10.9		mg/kg	2	16.7		mg/kg	2
Cobalt	4.7	U	mg/kg	10	.97	U	mg/kg	10	1.3	U	mg/kg	10	2.8	U	mg/kg	10
Copper	7.1	U	mg/kg	5	.66	U	mg/kg	5	3.7	J	mg/kg	5	12.3	U	mg/kg	5
Iron	3370		mg/kg	20	72.9		mg/kg	20	1470		mg/kg	20	2730		mg/kg	20
Lead	25		mg/kg	1	1.4	R	mg/kg	1	101	J	mg/kg	1	129	J	mg/kg	1
Magnesium	341	J	mg/kg	1000	13.2	J	mg/kg	1000	140	J	mg/kg	1000	329	J	mg/kg	1000
Manganese	8.7	J	mg/kg	3	.51	J	mg/kg	3	5.1	J	mg/kg	3	13		mg/kg	3
Mercury	.07	UJ	mg/kg	.1	.03	U	mg/kg	.1	.09		mg/kg	.1	.17		mg/kg	.1
Nickel	9	U	mg/kg	8	3.6	U	mg/kg	8	4.8	U	mg/kg	8	10.3	UJ	mg/kg	8
Potassium	386	U	mg/kg	1000	124	U	mg/kg	1000	164	U	mg/kg	1000	357	UJ	mg/kg	1000
Selenium	1.6	U	mg/kg	1	.48	U	mg/kg	1	.63	U	mg/kg	1	1.4	UJ	mg/kg	1
Silver	2.4	U	mg/kg	2	1.2	U	mg/kg	2	1.6	U	mg/kg	2	3.4	U	mg/kg	2
Sodium	88.8	U	mg/kg	1000	5.1	U	mg/kg	1000	40.7	U	mg/kg	1000	123	J	mg/kg	1000
Thallium	1.3	U	mg/kg	2	.25	U	mg/kg	2	.34	U	mg/kg	2	.73	U	mg/kg	2
Vanadium	9.3	J	mg/kg	10	1.2	U	mg/kg	10	10.2	J	mg/kg	10	27.2	U	mg/kg	10
Zinc	39.1		mg/kg	4	.68	J	mg/kg	4	45.5		mg/kg	4	81.8		mg/kg	4
Cyanide	1.5	U	mg/kg	1	.32	U	mg/kg	1	.51	U	mg/kg	1	.7	U	mg/kg	1

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SITE 17 SURFACE SOIL DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90054007			90054005			90054006			90054004		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	5-SW1			5-SW2			SW-DUP3			5-SW3		
Collect Date:	25-JUN-93			25-JUN-93			25-JUN-93			25-JUN-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(23.30) Dodecane	11	J ug/l										
(3.25) Cyclohexene	240	U ug/l										
(3.28) Cyclohexene				240	U ug/l							
(7.13) 2-Pentanone, 4-Hydroxy-				14	U ug/l							
(8.28) 2-Cyclohexen-1-Ol				4	U ug/l							
(9.42) 2-Cyclohexen-1-One				4	U ug/l							
(7.12) 2-Pentanone, 4-Hydroxy-							5	U ug/l				
(8.28) 2-Cyclohexen-1-Ol							3	U ug/l				
(9.42) 2-Cyclohexen-1-One							4	U ug/l				
(3.25) Cyclohexene							250	U ug/l				
(3.30) Cyclohexene										200	U ug/l	
(7.13) 2-Pentanone, 4-Hydroxy-										16	U ug/l	
(9.44) 2-Cyclohexen-1-One										4	U ug/l	

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE WATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90054003				90054008				90058007				90058008			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SW4				5-SW5				5-SW6				5-SW7			
Collect Date:	25-JUN-93				25-JUN-93				29-JUN-93				29-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.25) Cyclohexene	240	U	ug/l													
(7.12) 2-Pentanone, 4-Hydroxy-	16	U	ug/l													
(8.28) 2-Cyclohexen-1-Ol	4	U	ug/l													
(9.42) 2-Cyclohexen-1-One	5	U	ug/l													
(3.27) Cyclohexene					260	U	ug/l									
(7.13) 2-Pentanone, 4-Hydroxy-					8	U	ug/l									
(8.28) 2-Cyclohexen-1-Ol					3	U	ug/l									
(9.42) 2-Cyclohexen-1-One					4	U	ug/l									
(12.45) 1,2-Cyclohexanediol									5	J	ug/l					
(27.41) Hexadecanoic Acid									3	U	ug/l					
(3.28) Cyclohexene									230	U	ug/l					
(7.12) 2-Pentanone, 4-Hydroxy-									11	U	ug/l					
(8.28) 2-Cyclohexen-1-Ol									4	U	ug/l					
(9.40) 2-Cyclohexen-1-One									5	U	ug/l					
(14.25) 2,6-Dimethyl-6-Nitro-2													3	J	ug/l	
(27.44) Hexadecanoic Acid													10	U	ug/l	
(3.30) Cyclohexene													190	U	ug/l	
(7.13) 2-Pentanone, 4-Hydroxy-													28	U	ug/l	
(9.42) 2-Cyclohexen-1-One													5	U	ug/l	
(8.30) 2-Cyclohexen-1-Ol													4	U	ug/l	

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UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]LT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90093007				90093008				90054019				90054018			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	5-SD-1				5-SD-1				5-SD2				5-SD2			
Collect Date:	17-AUG-93				17-AUG-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(21.65) Decane, 2,5,6-Trimethy	150	J	ug/kg													
(21.70) Benzene, Diethyl-	110	J	ug/kg													
(21.85) 1,3,8-P-Menthatriene	140	J	ug/kg													
(22.42) Benzene, Ethyldimet- I	140	J	ug/kg													
(22.57) Benzene, Ethyldimet- I	120	J	ug/kg													
(22.82) Benzene, Alkyl-	77	J	ug/kg													
(23.27) Benzene, Alkyl-	75	J	ug/kg													
(23.42) Benzene, Tetramethyl-I	160	J	ug/kg													
(24.25) Benzene, Ethyldimet- I	96	J	ug/kg													
(16.95) Tridecane, Methyl- Iso					3300	J	ug/kg									
(18.85) Dodecane, Trimethyl- I					4100	J	ug/kg									
(20.30) Heptadecane, 2,6,10,14					4800	J	ug/kg									
(32.79) Hexanedioic Acid, Dioc					14000	J	ug/kg									
(7.65) 2-Pentanone, 4-Hydroxy-					66000	U	ug/kg									
(20.10) Cyclohexane, Alkyl-					1200	J	ug/kg									
(21.45) Dodecane, 2,6,10-Trime									1300	J	ug/kg					
(22.90) Heptadecane, 2,6,10,14									1500	J	ug/kg					
(33.49) Phenanthrene, Dimethy-									1600	J	ug/kg					
(40.44) Furan, Bis(Dimethoxy-)									510	J	ug/kg					
(7.02) 2-Pentanone, 4-Hydroxy-									130000	U	ug/kg					
(18.39) .Alpha. -Pinene													21	J	ug/kg	
(20.64) Cyclohexane, 1-Methyl-													25	J	ug/kg	
(20.75) Benzene- Ethyldimeth-													16	J	ug/kg	
(22.50) Undecane, 2,6-Dimethyl													27	J	ug/kg	
(23.30) Tetradecane													8	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90054021				90054020				90054017				90054016			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	SD-DUP3				SD-DUP3				5-SD3				5-SD3			
Collect Date:	25-JUN-93				25-JUN-93				25-JUN-93				25-JUN-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(22.89) Heptadecane, 2,6,10,14	930	J	ug/kg													
(39.66) Octadecanal	230	J	ug/kg													
(44.34) Olean-12-Ene	530	J	ug/kg													
(6.95) 2-Pentanone, 4-Hydroxy-	95000	U	ug/kg													
(21.60) 1-Octanol, 2-Butyl-					50	J	ug/kg									
(23.00) Bicyclohexanone, Sub-					26	J	ug/kg									
(23.50) Cyclohexane, Sub- Isom					47	J	ug/kg									
(23.97) Naphthalene, Sub- Isom					42	J	ug/kg									
(18.50) Undecane, 2,6-Dimethyl									4000	J	ug/kg					
(19.67) Tridecane, 7-Methyl-									6200	J	ug/kg					
(20.95) Cyclohexane, Hexyl-									1700	J	ug/kg					
(21.59) Dodecane, 2,7,10-Trime									6500	J	ug/kg					
(23.02) Hexadecane									7300	J	ug/kg					
(26.71) Pentadecane, 2,6,10,14									3900	J	ug/kg					
(7.07) 2-Pentanone, 4-Hydroxy-									150000	U	ug/kg					
(20.74) Benzene, Ethyldimeth-													13	J	ug/kg	
(20.95) Cineole													47	J	ug/kg	
(23.49) Undecane, 2,6-Dimethyl													14	J	ug/kg	

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = LT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90054015			90054014			90091006			90091014		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	5-SD4			5-SD4			5SD5			5SD6		
Collect Date:	25-JUN-93			25-JUN-93			16-AUG-93			16-AUG-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(12.02) Pentanone, Hydroxyme-	35000	J ug/kg										
(30.17) Hexadecanoic Acid	4100	J ug/kg										
(7.02) Pentanone, Hydroxyme- I	550000	J ug/kg										
(19.17) Cyclohexane, Sub- Isom				30	J ug/kg							
(23.52) Aliphatic Hydrocarbon				40	J ug/kg							
(28.54) Phenanthrenecarboxal-							1400	J ug/kg				
(31.09) Phenanthrene, Dimeth-							3400	J ug/kg				
(7.57) 2-Pentanone, 4-Hydroxy-							51000	U ug/kg				
(32.32) Phenanthrenecarboxy- I										390	J ug/kg	
(7.77) 2-Pentanone, 4-Hydroxy-										88000	U ug/kg	
(28.52) Phenanthrenecarboxa- I										310	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SEDIMENT -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	90091013			90093006		
Site	CECIL			CECIL		
Locator	5SD6			5-SD-7		
Collect Date:	16-AUG-93			17-AUG-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.						
(23.69) Dodecane	18	J ug/kg				
(32.77) Hexanedioic Acid, Dioc				39000	J ug/kg	
(7.62) 2-Pentanone, 4-Hydroxy-				190000	U ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4803			K4806			K4807			K4809		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS1			CF5SS2			CF5SS3			CF5SS4		
Collect Date:	24-FEB-94			24-FEB-94			24-FEB-94			24-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.00) Aldolcondensationproduc	140	U ug/kg										
(4.25) Aldolcondensationproduc	580	U ug/kg										
(4.68) Aldolcondensationproduc	44000	U ug/kg										
(5.60) Aldolcondensationproduc	1400	U ug/kg										
(6.90) Ethanol,2-(2-Ethoxyetho	1200	J ug/kg										
(3.75) Aldolcondensationproduc				350	U ug/kg							
(4.77) Aldolcondensationproduc				56000	U ug/kg							
(5.62) Aldolcondensationproduc				1500	U ug/kg							
(6.90) Ethanol,2-(2-Ethoxyetho				740	J ug/kg							
(3.75) Aldolcondensationproduc							420	U ug/kg				
(4.72) Aldolcondensationproduc							50000	U ug/kg				
(5.62) Aldolcondensationproduc							1400	U ug/kg				
(6.90) Ethanol,2-(2-Ethoxyetho							670	J ug/kg				
(12.52) Hexanal							23	J ug/kg				
(4.22) Aldolcondensationproduc										43000	U ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4811			K4812			K5545			K4816		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS5			CF5SS6			CF5SS7			CF5SS8		
Collect Date:	24-FEB-94			24-FEB-94			26-FEB-94			24-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.73) Aldolcondensationproduc	40000	U ug/kg										
(5.62) Aldolcondensationproduc	1300	U ug/kg										
(3.75) Aldolcondensationproduc	350	U ug/kg										
(6.92) Ethanol,2-(2-Ethoxyetho	490	J ug/kg										
(4.03) Aldolcondensationproduc				610	U ug/kg							
(5.63) Aldolcondensationproduc				1100	U ug/kg							
(6.93) Ethanol,2-(2-Ethoxyetho				1000	J ug/kg							
(3.75) Aldolcondensationproduc				550	U ug/kg							
(4.75) Aldolcondensationproduc				49000	U ug/kg							
(3.57) Aldolcondensationproduc							200	U ug/kg				
(3.88) Aldolcondensationproduc							320	U ug/kg				
(4.52) Aldolcondensationproduc							43000	U ug/kg				
(5.40) Aldolcondensationproduc							780	U ug/kg				
(6.72) Ethanol,2-(2-Ethoxyetho							150	J ug/kg				
(3.75) Aldolcondensationproduc										290	U ug/kg	
(4.28) Aldolcondensationproduc										690	U ug/kg	
(5.62) Aldolcondensationproduc										960	U ug/kg	
(4.70) Aldolcondensationproduc										36000	U ug/kg	
(6.93) Ethanol,2-(2-Ethoxyetho										740	J ug/kg	

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R = [illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4815			K4818			K4822			K4808		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS9			CF5SS10			CF5SS100			CF5SS11		
Collect Date:	24-FEB-94			24-FEB-94			24-FEB-94			24-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(3.75) Aldolcondensationproduc	470	U ug/kg										
(4.03) Aldolcondensationproduc	440	U ug/kg										
(5.62) Aldolcondensationproduc	1500	U ug/kg										
(4.77) Aldolcondensationproduc	51000	U ug/kg										
(6.93) Ethanol,2-(2-Ethoxyetho	330	J ug/kg										
(4.03) Aldolcondensationproduc				440	U ug/kg							
(4.72) Aldolcondensationproduc				42000	J ug/kg							
(5.62) Aldolcondensationproduc				1100	U ug/kg							
(3.75) Aldolcondensationproduc				320	U ug/kg							
(4.32) Aldolcondensationproduc				770	U ug/kg							
(6.92) Ethanol,2-(2-Ethoxyetho				480	J ug/kg							
(4.25) Aldolcondensationproduc							620	U ug/kg				
(4.68) Aldolcondensationproduc							37000	U ug/kg				
(5.62) Aldolcondensationproduc							1100	U ug/kg				
(6.93) Ethanol,2-(2-Ethoxyetho							720	J ug/kg				
(4.00) Aldolcondensationproduc										760	U ug/kg	
(4.72) Aldolcondensationproduc										56000	U ug/kg	
(5.60) Aldolcondensationproduc										1300	U ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4956				K4957				K4958				K4959			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS12				CF5SS13				CF5SS14				CF5SS15			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.90) Aldolcondensationproduc	750	J	ug/kg													
(4.35) Aldolcondensationproduc	13000	J	ug/kg													
(5.40) Aldolcondensationproduc	890	J	ug/kg													
(6.73) Ethanol,2-(2-Ethoxyetho	480	J	ug/kg													
(3.95) Aldolcondensationproduc					1200	J	ug/kg									
(4.40) Aldolcondensationproduc					19000	J	ug/kg									
(5.43) Aldolcondensationproduc					1300	J	ug/kg									
(6.75) Ethanol,2-(2-Ethoxyetho					600	J	ug/kg									
(3.93) Aldolcondensationproduc									960	J	ug/kg					
(4.38) Aldolcondensationproduc									15000	J	ug/kg					
(5.43) Aldolcondensationproduc									1100	J	ug/kg					
(3.57) Aldolcondensationproduc													130	J	ug/kg	
(3.88) Aldolcondensationproduc													370	J	ug/kg	
(4.50) Aldolcondensationproduc													25000	J	ug/kg	
(5.40) Aldolcondensationproduc													400	J	ug/kg	
(4.12) Aldolcondensationproduc													440	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4960			K4961			K4962			K4963		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS16			CF5SS17			CF5SS18			CF5SS19		
Collect Date:	25-FEB-94			25-FEB-94			25-FEB-94			25-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(3.93) Aldolcondensationproduc	1100	J ug/kg										
(4.40) Aldolcondensationproduc	14000	J ug/kg										
(6.75) Ethanol,2-(2-Ethoxyetho	580	J ug/kg										
(5.43) Aldolcondensationproduc	950	J ug/kg										
(4.38) Aldolcondensationproduc				9600	J ug/kg							
(6.75) Ethanol,2-(2-Ethoxyetho				320	J ug/kg							
(3.93) Aldolcondensationproduc				600	J ug/kg							
(5.42) Aldolcondensationproduc				670	J ug/kg							
(3.93) Aldolcondensationproduc							900	J ug/kg				
(5.42) Aldolcondensationproduc							1000	J ug/kg				
(6.75) Ethanol,2-(2-Ethoxyetho							500	J ug/kg				
(4.37) Aldolcondensationproduc							14000	J ug/kg				
(3.93) Aldolcondensationproduc										950	J ug/kg	
(4.38) Aldolcondensationproduc										14000	J ug/kg	
(6.77) Ethanol,2-(2-Ethoxyetho										2000	J ug/kg	
(5.43) Aldolcondensationproduc										1100	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4964				K4965				K4966				K4967			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS20				CF5SS20D				CF5SS21				CF5SS22			
Collect Date:	25-FEB-94				25-FEB-94				25-FEB-94				25-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(4.38) Aldolcondensationproduc	20000	J	ug/kg													
(5.42) Aldolcondensationproduc	1400	J	ug/kg													
(3.92) Aldolcondensationproduc	1300	J	ug/kg													
(6.73) Ethanol,2-(2-Ethoxyetho	960	J	ug/kg													
(3.90) Aldolcondensationproduc					700	J	ug/kg									
(4.35) Aldolcondensationproduc					12000	J	ug/kg									
(5.42) Aldolcondensationproduc					740	J	ug/kg									
(6.73) Ethanol,2-(2-Ethoxyetho					580	J	ug/kg									
(3.92) Aldolcondensationproduc									390	J	ug/kg					
(4.55) Aldolcondensationproduc									59000	J	ug/kg					
(5.47) Aldolcondensationproduc									1600	J	ug/kg					
(6.78) Ethanol,2-(2-Ethoxyetho									2200	J	ug/kg					
(4.67) Aldolcondensationproduc													45000	J	ug/kg	
(5.50) Aldolcondensationproduc													1500	J	ug/kg	
(6.80) Ethanol,2-(2-Ethoxyetho													1500	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4968			K4969			K4970			K4971		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS23			CF5SS24			CF5SS25			CF5SS26		
Collect Date:	25-FEB-94			25-FEB-94			25-FEB-94			25-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(5.48) Aldolcondensationproduc	1600	J ug/kg										
(6.80) Ethanol,2-(2-Ethoxyetho	1600	J ug/kg										
(4.63) Aldolcondensationproduc	60000	J ug/kg										
(3.62) Aldolcondensationproduc				260	J ug/kg							
(3.92) Aldolcondensationproduc				200	J ug/kg							
(5.48) Aldolcondensationproduc				1200	J ug/kg							
(4.58) Aldolcondensationproduc				36000	J ug/kg							
(6.80) Ethanol,2-(2-Ethoxyetho				1500	J ug/kg							
(3.93) Aldolcondensationproduc							290	J ug/kg				
(4.12) Aldolcondensationproduc							260	J ug/kg				
(5.45) Aldolcondensationproduc							1100	J ug/kg				
(4.53) Aldolcondensationproduc							37000	J ug/kg				
(6.78) Ethanol,2-(2-Ethoxyetho							1800	J ug/kg				
(4.43) Aldolcondensationproduc										36000	J ug/kg	
(6.72) Ethanol,2-(2-Ethoxyetho										1300	J ug/kg	
(11.62) Phenol,2-Methoxy-5-(1-										180	J ug/kg	
(5.38) Aldolcondensationproduc										1000	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K4972			K5544			K5546			K5547		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5SS27			CF5SS28			CF5SS29			CF5SS30		
Collect Date:	25-FEB-94			26-FEB-94			26-FEB-94			26-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.57) Aldolcondensationproduc	38000	J ug/kg										
(5.43) Aldolcondensationproduc	1300	J ug/kg										
(3.92) Aldolcondensationproduc	460	J ug/kg										
(6.73) Ethanol,2-(2-Ethoxyetho	1400	J ug/kg										
(3.75) Aldolcondensationproduc				240	U ug/kg							
(4.00) Aldolcondensationproduc				280	U ug/kg							
(4.72) Aldolcondensationproduc				44000	U ug/kg							
(5.60) Aldolcondensationproduc				810	U ug/kg							
(6.90) Ethanol,2-(2-Ethoxyetho				220	J ug/kg							
(3.57) Aldolcondensationproduc							99	U ug/kg				
(3.90) Aldolcondensationproduc							310	U ug/kg				
(4.03) Aldolcondensationproduc							660	U ug/kg				
(4.45) Aldolcondensationproduc							22000	U ug/kg				
(6.70) Ethanol,2-(2-Ethoxyetho							980	J ug/kg				
(3.57) Aldolcondensationproduc										200	U ug/kg	
(4.03) Aldolcondensationproduc										1200	U ug/kg	
(4.45) Aldolcondensationproduc										37000	U ug/kg	
(5.38) Aldolcondensationproduc										580	U ug/kg	
(6.70) Ethanol,2-(2-Ethoxyetho										300	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K5548				K5551				K5553			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5SS30D				CF5SS31				CF5SS31D			
Collect Date:	26-FEB-94				26-FEB-94				26-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(3.57) Aldolcondensationproduc	190	U	ug/kg									
(3.90) Aldolcondensationproduc	180	U	ug/kg									
(4.53) Aldolcondensationproduc	38000	U	ug/kg									
(5.40) Aldolcondensationproduc	640	U	ug/kg									
(3.57) Aldolcondensationproduc					240	U	ug/kg					
(3.88) Aldolcondensationproduc					520	U	ug/kg					
(4.52) Aldolcondensationproduc					41000	U	ug/kg					
(5.40) Aldolcondensationproduc					660	U	ug/kg					
(3.57) Aldolcondensationproduc									340	U	ug/kg	
(5.42) Aldolcondensationproduc									1200	U	ug/kg	
(4.57) Aldolcondensationproduc									71000	U	ug/kg	

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR9S0				CF5BR9S0DD				CF5BR9S0DL				CF5BR9S4			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0				CF5BR9S0DDL				CF5BR9S0DL				CF5BR9S4			
Collect Date:	12-OCT-93				12-OCT-93				12-OCT-93				12-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(4.03) Aldolcondensationproduc	850	U	ug/kg													
(4.52) Aldolcondensationproduc	16000	U	ug/kg													
(5.57) Aldolcondensationproduc	940	U	ug/kg													
(6.87) Ethanol,2-(2-Ethoxyetho	420	U	ug/kg													
(4.00) Aldolcondensationproduc					540	U	ug/kg									
(4.40) Aldolcondensationproduc					17000	U	ug/kg									
(5.52) Aldolcondensationproduc					550	U	ug/kg									
(16.23) Dibenzothiophene									300	J	ug/kg					
(3.83) Aldolcondensationproduc									820	U	ug/kg					
(4.28) Aldolcondensationproduc									17000	U	ug/kg					
(5.33) Aldolcondensationproduc									940	U	ug/kg					
(14.17) Benzamide,N,N-Diethyl-									180	J	ug/kg					
(6.63) Ethanol,2-(2-Ethoxyetho									380	U	ug/kg					
(14.43) Benzamide,N,N-Diethyl-													250	J	ug/kg	
(4.03) Aldolcondensationproduc													580	U	ug/kg	
(4.48) Aldolcondensationproduc													12000	U	ug/kg	
(5.53) Aldolcondensationproduc													640	U	ug/kg	
(6.85) Ethanol,2-(2-Ethoxyetho													250	U	ug/kg	

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R = ILT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K1021			
Site	CECIL2			
Locator	CF17SS14R			
Collect Date:	12-FEB-94			
	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	38	U	ug/l	200
Antimony	15	U	ug/l	60
Arsenic	2	U	ug/l	10
Barium	3.1		ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	3	U	ug/l	5
Calcium	42	U	ug/l	5000
Chromium	10	U	ug/l	10
Cobalt	6	U	ug/l	50
Copper	18.5		ug/l	25
Iron	28		ug/l	100
Lead	1	U	ug/l	3
Magnesium	62.5		ug/l	5000
Manganese	2	U	ug/l	15
Mercury	.2	UJ	ug/l	.2
Nickel	7	U	ug/l	40
Potassium	110		ug/l	5000
Selenium	2	UJ	ug/l	5
Silver	5	U	ug/l	10
Sodium	229		ug/l	5000
Thallium	1	U	ug/l	10
Vanadium	4	U	ug/l	50
Zinc	10.2		ug/l	20
Cyanide	10	U	ug/l	10

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SITE 17 SUBSURFACE SOIL DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR5S0M				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR5S0MSD				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Bromomethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Vinyl chloride	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Chloroethane	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Methylene chloride	3	J	ug/kg	13	6	U	ug/kg	6	4	J	ug/kg	12	760	U	ug/kg	760
Acetone	240		ug/kg	13	20	U	ug/kg	20	13	U	ug/kg	13	1700	J	ug/kg	1500
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,1-Dichloroethene	71		ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
2-Butanone	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Trichloroethene	61		ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Benzene	65		ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
4-Methyl-2-pentanone	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
2-Hexanone	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Toluene	73		ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Chlorobenzene	62		ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	760	U	ug/kg	760

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR7S2R			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR7S2RT			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Acetone	1600		ug/kg	1600	1600		ug/kg	1500	1	J	ug/l	2	2	U	ug/l	2
Carbon disulfide	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Chloroform	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Benzene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Bromoform	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	1600	U	ug/kg	1600	1500	U	ug/kg	1500	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Toluene	1400		ug/kg	790	590	J	ug/kg	15	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1400		ug/kg	790	530	J	ug/kg	15	1	U	ug/l	1	1	U	ug/l	1
Styrene	790	U	ug/kg	790	760	U	ug/kg	760	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	10000		ug/kg	790	4200		ug/kg	760	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR8S0				CF17BR8S2				CF17BR9S0				CF17BR9S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR8S0				CF17BR8S2				CF17BR9S0				CF17BR9S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	1000	U	ug/kg	1000	4	J	ug/kg	14	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	5700	J	ug/kg	2100	180	J	ug/kg	14	12	U	ug/kg	12	15	U	ug/kg	15
Carbon disulfide	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	2100	U	ug/kg	2100	4	J	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	2100	U	ug/kg	2100	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	1000	U	ug/kg	1000	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR10S0				CF17BR10S2				CF17BR11S0				CF17BR11S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR10S0				CF17BR10S2				CF17BR11S0				CF17BR11S2			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
Bromomethane	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
Vinyl chloride	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
Chloroethane	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
Methylene chloride	3	J	ug/kg	12	790	U	ug/kg	790	12	J	ug/kg	37	12	J	ug/kg	38
Acetone	30	U	ug/kg	30	3900		ug/kg	1600	390	J	ug/kg	37	380	J	ug/kg	38
Carbon disulfide	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,1-Dichloroethene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,1-Dichloroethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,2-Dichloroethene (total)	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Chloroform	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,2-Dichloroethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
2-Butanone	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
1,1,1-Trichloroethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Carbon tetrachloride	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Bromodichloromethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,2-Dichloropropane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
cis-1,3-Dichloropropene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Trichloroethene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Dibromochloromethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,1,2-Trichloroethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Benzene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
trans-1,3-Dichloropropene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Bromoform	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
4-Methyl-2-pentanone	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
2-Hexanone	12	U	ug/kg	12	1600	U	ug/kg	1600	37	U	ug/kg	37	38	U	ug/kg	38
Tetrachloroethene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Toluene	6	U	ug/kg	6	1400		ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Chlorobenzene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Ethylbenzene	6	U	ug/kg	6	580	J	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Styrene	6	U	ug/kg	6	790	U	ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19
Xylenes (total)	6	U	ug/kg	6	14000		ug/kg	790	18	U	ug/kg	18	19	U	ug/kg	19

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR11S2			CF17BR11S2			CF17BR12S0			CF17BR12S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR11S2R			CF17BR11S2RT			CF17BR12S0			CF17BR12S2		
Collect Date:	12-NOV-93			12-NOV-93			11-NOV-93			11-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	2	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Bromomethane	2 U	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Vinyl chloride	2 U	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Chloroethane	2 U	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Methylene chloride	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	350 J	ug/kg	750
Acetone	2 U	ug/l	2	2 U	ug/l	2	2000	ug/kg	1500	1200 J	ug/kg	1500
Carbon disulfide	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,1-Dichloroethene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,1-Dichloroethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,2-Dichloroethene (total)	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Chloroform	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,2-Dichloroethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
2-Butanone	2 U	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
1,1,1-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Carbon tetrachloride	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Bromodichloromethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,2-Dichloropropane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
cis-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Trichloroethene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Dibromochloromethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,1,2-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Benzene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
trans-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Bromoform	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
4-Methyl-2-pentanone	2 U	ug/l	2	2 U	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
2-Hexanone	2 R	ug/l	2	2 R	ug/l	2	1500 U	ug/kg	1500	1500 U	ug/kg	1500
Tetrachloroethene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Toluene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
1,1,2,2-Tetrachloroethane	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Chlorobenzene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	300 J	ug/kg	750
Ethylbenzene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Styrene	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	750 U	ug/kg	750
Xylenes (total)	1 U	ug/l	1	1 U	ug/l	1	760 U	ug/kg	760	1100	ug/kg	

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR13S0				CF17BR13S0				CF17BR13S2				CF17BR14S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR13S0				CF17BR13S0DL				CF17BR13S2				CF17BR14S0			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
Bromomethane	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
Vinyl chloride	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
Chloroethane	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	4	J	ug/kg	13
Acetone	6500	J	ug/kg	12	7900		ug/kg	1500	1100	J	ug/kg	60	13	U	ug/kg	13
Carbon disulfide	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
2-Hexanone	12	U	ug/kg	12	1500	U	ug/kg	1500	60	U	ug/kg	60	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	760	U	ug/kg	760	30	U	ug/kg	30	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = [illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR14S0				CF17BR14S0				CF17BR14S2				CF17BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S0MS				CF17BR14S0MSD				CF17BR14S2				CF17BR14S2D			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
Bromomethane	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
Vinyl chloride	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
Chloroethane	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
Methylene chloride	3	J	ug/kg	13	3	J	ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
Acetone	42		ug/kg	13	31		ug/kg	13	960	J	ug/kg	60	590	J	ug/kg	30
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
1,1-Dichloroethene	82		ug/kg	13	81		ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
2-Butanone	9	J	ug/kg	13	7	J	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Trichloroethene	66		ug/kg	13	65		ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Benzene	62		ug/kg	13	62		ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
4-Methyl-2-pentanone	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
2-Hexanone	13	U	ug/kg	13	13	U	ug/kg	13	60	U	ug/kg	60	30	U	ug/kg	30
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Toluene	68		ug/kg	13	66		ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Chlorobenzene	65		ug/kg	13	64		ug/kg	13	30	U	ug/kg	30	15	U	ug/kg	15
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	30	U	ug/kg	30	15	U	ug/kg	15

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR15S0				CF17BR15S0				CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR15S0				CF17BR15S0D				CF17BR15S2				CF17BR15S2D			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P VOLATILES 90-SOW																
Chloromethane	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Bromomethane	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Vinyl chloride	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Chloroethane	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Methylene chloride	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Acetone	1000	J	ug/kg	63	650	J	ug/kg	62	3000	J	ug/kg	1600	2300	J	ug/kg	1600
Carbon disulfide	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,1-Dichloroethene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,1-Dichloroethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,2-Dichloroethene (total)	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Chloroform	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,2-Dichloroethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
2-Butanone	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
1,1,1-Trichloroethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Carbon tetrachloride	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Bromodichloromethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,2-Dichloropropane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
cis-1,3-Dichloropropene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Trichloroethene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Dibromochloromethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,1,2-Trichloroethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Benzene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
trans-1,3-Dichloropropene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Bromoform	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
4-Methyl-2-pentanone	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
2-Hexanone	63	U	ug/kg	63	62	U	ug/kg	62	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Tetrachloroethene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Toluene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
1,1,2,2-Tetrachloroethane	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Chlorobenzene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Ethylbenzene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Styrene	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790
Xylenes (total)	32	U	ug/kg	32	31	U	ug/kg	31	790	U	ug/kg	790	790	U	ug/kg	790

U = NOT DETECTED J = ESTIMATED VALUE
UJ = R[illegible]RTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = R[illegible] IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2			
Locator	CF17BR15S2DR				CF17BR15S2DRT			
Collect Date:	15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW								
Chloromethane	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0MS			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	3	J	ug/kg	13	3	J	ug/kg	13
Acetone	12	U	ug/kg	12	12	U	ug/kg	12	160	J	ug/kg	13	280		ug/kg	13
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	75		ug/kg	13
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	20		ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	65		ug/kg	13
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	68		ug/kg	13
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	6	J	ug/kg	13
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	8	J	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	71		ug/kg	13
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	63		ug/kg	13
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = [illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR8S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR8S0			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
bis(2-Chloroethyl) ether	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2-Chlorophenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
1,3-Dichlorobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
1,4-Dichlorobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
1,2-Dichlorobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2-Methylphenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,2-oxybis(1-Chloropropane)	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Methylphenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Hexachloroethane	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Nitrobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Isophorone	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2-Nitrophenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4-Dimethylphenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4-Dichlorophenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
1,2,4-Trichlorobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Naphthalene	1500		ug/kg	420	15000		ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Chloroaniline	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Hexachlorobutadiene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Chloro-3-methylphenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2-Methylnaphthalene	3000		ug/kg	420	42000		ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Hexachlorocyclopentadiene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4,6-Trichlorophenol	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
2-Chloronaphthalene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
Dimethylphthalate	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Acenaphthylene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,6-Dinitrotoluene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
3-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
Acenaphthene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4-Dinitrophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
4-Nitrophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
Dibenzofuran	420	U	ug/kg	420	1600	J	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
2,4-Dinitrotoluene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Diethylphthalate	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Chlorophenyl-phenylether	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Fluorene	420	U	ug/kg	420	800	J	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Nitroaniline	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
4-Bromophenyl-phenylether	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Hexachlorobenzene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Pentachlorophenol	1000	U	ug/kg	1000	20000	U	ug/kg	20000	25	U	ug/l	25	1300	U	ug/kg	1300
Phenanthrene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Anthracene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Carbazole	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Di-n-butylphthalate	73	J	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	37	J	ug/kg	550
Fluoranthene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Pyrene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR8S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR7S0				CF17BR7S2				CF17BR7S2R				CF17BR8S0			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
3,3-Dichlorobenzidine	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Benzo (a) anthracene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Chrysene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
bis(2-Ethylhexyl) phthalate	110	J	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	96	J	ug/kg	550
Di-n-octylphthalate	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Benzo (b) fluoranthene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Benzo (k) fluoranthene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Benzo (a) pyrene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Dibenz (a,h) anthracene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550
Benzo (g,h,i) perylene	420	U	ug/kg	420	8000	U	ug/kg	8000	10	U	ug/l	10	550	U	ug/kg	550

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Collect Date:	12-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
bis(2-Chloroethyl) ether	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2-Chlorophenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
1,3-Dichlorobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
1,4-Dichlorobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
1,2-Dichlorobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	68	J	ug/kg	410
2-Methylphenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,2-oxybis(1-Chloropropane)	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Methylphenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
N-Nitroso-di-n-propylamine	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Hexachloroethane	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Nitrobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Isophorone	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2-Nitrophenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4-Dimethylphenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
bis(2-Chloroethoxy) methane	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4-Dichlorophenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
1,2,4-Trichlorobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Naphthalene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Chloroaniline	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Hexachlorobutadiene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Chloro-3-methylphenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2-Methylnaphthalene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Hexachlorocyclopentadiene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4,6-Trichlorophenol	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4,5-Trichlorophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
2-Chloronaphthalene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2-Nitroaniline	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
Dimethylphthalate	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Acenaphthylene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,6-Dinitrotoluene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
3-Nitroaniline	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
Acenaphthene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4-Dinitrophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
4-Nitrophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
Dibenzofuran	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
2,4-Dinitrotoluene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Diethylphthalate	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Chlorophenyl-phenylether	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Fluorene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Nitroaniline	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
4,6-Dinitro-2-methylphenol	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
N-Nitrosodiphenylamine (1)	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
4-Bromophenyl-phenylether	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Hexachlorobenzene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Pentachlorophenol	1200	U	ug/kg	1200	930	U	ug/kg	930	980	U	ug/kg	980	1000	U	ug/kg	1000
Phenanthrene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Anthracene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Carbazole	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Di-n-butylphthalate	100	J	ug/kg	480	380	U	ug/kg	380	60	J	ug/kg	400	410	U	ug/kg	410
Fluoranthene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Pyrene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Collect Date:	12-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
3,3-Dichlorobenzidine	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Benzo (a) anthracene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Chrysene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
bis(2-Ethylhexyl) phthalate	63	J	ug/kg	480	83	J	ug/kg	380	25	J	ug/kg	400	76	J	ug/kg	410
Di-n-octylphthalate	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Benzo (b) fluoranthene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Benzo (k) fluoranthene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Benzo (a) pyrene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Indeno (1,2,3-cd) pyrene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Dibenz (a,h) anthracene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410
Benzo (g,h,i) perylene	480	U	ug/kg	480	380	U	ug/kg	380	400	U	ug/kg	400	410	U	ug/kg	410

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = R[illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2R			
Collect Date:	11-NOV-93				12-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
bis(2-Chloroethyl) ether	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2-Chlorophenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
1,3-Dichlorobenzene	920	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
1,4-Dichlorobenzene	730	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
1,2-Dichlorobenzene	18000	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2-Methylphenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Methylphenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
N-Nitroso-di-n-propylamine	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Hexachloroethane	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Nitrobenzene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Isophorone	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2-Nitrophenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4-Dimethylphenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
bis(2-Chloroethoxy) methane	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4-Dichlorophenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
1,2,4-Trichlorobenzene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Naphthalene	19000	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Chloroaniline	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Hexachlorobutadiene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Chloro-3-methylphenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2-Methylnaphthalene	47000	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Hexachlorocyclopentadiene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4,6-Trichlorophenol	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4,5-Trichlorophenol	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
2-Chloronaphthalene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2-Nitroaniline	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
Dimethylphthalate	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Acenaphthylene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,6-Dinitrotoluene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
3-Nitroaniline	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
Acenaphthene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4-Dinitrophenol	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
4-Nitrophenol	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
Dibenzofuran	1900	J	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
2,4-Dinitrotoluene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Diethylphthalate	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Chlorophenyl-phenylether	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Fluorene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Nitroaniline	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
4-Bromophenyl-phenylether	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Hexachlorobenzene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Pentachlorophenol	20000	UJ	ug/kg	20000	1200	U	ug/kg	1200	1200	U	ug/kg	1200	25	U	ug/l	25
Phenanthrene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Anthracene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Carbazole	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Di-n-butylphthalate	8400	UJ	ug/kg	8400	75	J	ug/kg	480	91	J	ug/kg	510	10	U	ug/l	10
Fluoranthene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Pyrene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2R			
Collect Date:	11-NOV-93				12-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
3,3-Dichlorobenzidine	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Benzo (a) anthracene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Chrysene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	8400	UJ	ug/kg	8400	30	J	ug/kg	480	130	J	ug/kg	510	.6	J	ug/l	10
Di-n-octylphthalate	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Benzo (b) fluoranthene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Benzo (k) fluoranthene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Benzo (a) pyrene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Dibenz (a,h) anthracene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10
Benzo (g,h,i) perylene	8400	UJ	ug/kg	8400	480	U	ug/kg	480	510	U	ug/kg	510	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
bis(2-Chloroethyl) ether	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2-Chlorophenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
1,3-Dichlorobenzene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
1,4-Dichlorobenzene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
1,2-Dichlorobenzene	400	U	ug/kg	400	1200	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2-Methylphenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Methylphenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Hexachloroethane	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Nitrobenzene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Isophorone	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2-Nitrophenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4-Dimethylphenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4-Dichlorophenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
1,2,4-Trichlorobenzene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Naphthalene	21	J	ug/kg	400	280	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Chloroaniline	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Hexachlorobutadiene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Chloro-3-methylphenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2-Methylnaphthalene	44	J	ug/kg	400	740	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Hexachlorocyclopentadiene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4,6-Trichlorophenol	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4,5-Trichlorophenol	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
2-Chloronaphthalene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2-Nitroaniline	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
Dimethylphthalate	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Acenaphthylene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,6-Dinitrotoluene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
3-Nitroaniline	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
Acenaphthene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4-Dinitrophenol	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
4-Nitrophenol	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
Dibenzofuran	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
2,4-Dinitrotoluene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Diethylphthalate	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Chlorophenyl-phenylether	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Fluorene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Nitroaniline	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
4,6-Dinitro-2-methylphenol	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
4-Bromophenyl-phenylether	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Hexachlorobenzene	100	J	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Pentachlorophenol	980	U	ug/kg	980	4800	R	ug/kg	4800	980	U	ug/kg	980	960	U	ug/kg	960
Phenanthrene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Anthracene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Carbazole	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Di-n-butylphthalate	400	U	ug/kg	400	2000	R	ug/kg	2000	64	J	ug/kg	400	400	U	ug/kg	400
Fluoranthene	31	J	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Pyrene	31	J	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
3,3-Dichlorobenzidine	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) anthracene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Chrysene	25	J	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	160	J	ug/kg	400	2000	R	ug/kg	2000	21	J	ug/kg	400	34	J	ug/kg	400
Di-n-octylphthalate	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (b) fluoranthene	37	J	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (k) fluoranthene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) pyrene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Dibenz (a,h) anthracene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (g,h,i) perylene	400	U	ug/kg	400	2000	R	ug/kg	2000	400	U	ug/kg	400	400	U	ug/kg	400

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	F17BR14S0				F17BR14S0M				F17BR14S0M				CF17BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S0				CF17BR14S0MS				CF17BR14S0MSD				CF17BR14S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
3,3-Dichlorobenzidine	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Benzo (a) anthracene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Chrysene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	52	J	ug/kg	420	62	J	ug/kg	420	70	J	ug/kg	420	88	J	ug/kg	390
Di-n-octylphthalate	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Benzo (b) fluoranthene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Benzo (k) fluoranthene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Benzo (a) pyrene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Dibenz (a,h) anthracene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Benzo (g,h,i) perylene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	F17BR14S0				F17BR14S0M				F17BR14S0M				CF17BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S0				CF17BR14S0MS				CF17BR14S0MSD				CF17BR14S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P SEMIVOLATILES 90-SOW																
Phenol	420	U	ug/kg	420	2100		ug/kg	420	2000		ug/kg	420	390	U	ug/kg	390
bis(2-Chloroethyl) ether	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2-Chlorophenol	420	U	ug/kg	420	2000		ug/kg	420	1900		ug/kg	420	390	U	ug/kg	390
1,3-Dichlorobenzene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
1,4-Dichlorobenzene	420	U	ug/kg	420	1200		ug/kg	420	1200		ug/kg	420	390	U	ug/kg	390
1,2-Dichlorobenzene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2-Methylphenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Methylphenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	1400		ug/kg	420	1400		ug/kg	420	390	U	ug/kg	390
Hexachloroethane	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Nitrobenzene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Isophorone	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2-Nitrophenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dimethylphenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dichlorophenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
1,2,4-Trichlorobenzene	420	U	ug/kg	420	1400		ug/kg	420	1200		ug/kg	420	390	U	ug/kg	390
Naphthalene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Chloroaniline	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorobutadiene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Chloro-3-methylphenol	420	U	ug/kg	420	2700		ug/kg	420	2500		ug/kg	420	390	U	ug/kg	390
2-Methylnaphthalene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorocyclopentadiene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,4,6-Trichlorophenol	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
2-Chloronaphthalene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
Dimethylphthalate	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Acenaphthylene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,6-Dinitrotoluene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
3-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
Acenaphthene	420	U	ug/kg	420	1700		ug/kg	420	1500		ug/kg	420	390	U	ug/kg	390
2,4-Dinitrophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
4-Nitrophenol	1000	U	ug/kg	1000	2400		ug/kg	1000	2200		ug/kg	1000	950	U	ug/kg	950
Dibenzofuran	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dinitrotoluene	420	U	ug/kg	420	1800		ug/kg	420	1700		ug/kg	420	390	U	ug/kg	390
Diethylphthalate	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Chlorophenyl-phenylether	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Fluorene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1000	U	ug/kg	1000	950	U	ug/kg	950
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
4-Bromophenyl-phenylether	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorobenzene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Pentachlorophenol	1000	U	ug/kg	1000	2900		ug/kg	1000	3000		ug/kg	1000	950	U	ug/kg	950
Phenanthrene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Anthracene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Carbazole	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Di-n-butylphthalate	440	U	ug/kg	440	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Fluoranthene	420	U	ug/kg	420	420	U	ug/kg	420	420	U	ug/kg	420	390	U	ug/kg	390
Pyrene	420	U	ug/kg	420	2100		ug/	420	1900		ug/kg	420	390	U	ug/kg	390

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR14S2			CF17BR15S0			CF17BR15S0			CF17BR15S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR14S2D			CF17BR15S0			CF17BR15S0D			CF17BR15S2		
Collect Date:	15-NOV-93			15-NOV-93			15-NOV-93			15-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
bis(2-Chloroethyl) ether	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2-Chlorophenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
1,3-Dichlorobenzene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
1,4-Dichlorobenzene	400 U	ug/kg	400	420 U	ug/kg	420	20 J	ug/kg	410	420 U	ug/kg	420
1,2-Dichlorobenzene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2-Methylphenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,2-oxybis(1-Chloropropane)	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Methylphenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
N-Nitroso-di-n-propylamine	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Hexachloroethane	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Nitrobenzene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Isophorone	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2-Nitrophenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4-Dimethylphenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
bis(2-Chloroethoxy) methane	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4-Dichlorophenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
1,2,4-Trichlorobenzene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Naphthalene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Chloroaniline	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Hexachlorobutadiene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Chloro-3-methylphenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2-Methylnaphthalene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Hexachlorocyclopentadiene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4,6-Trichlorophenol	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4,5-Trichlorophenol	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
2-Chloronaphthalene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2-Nitroaniline	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
Dimethylphthalate	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Acenaphthylene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,6-Dinitrotoluene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
3-Nitroaniline	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
Acenaphthene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4-Dinitrophenol	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
4-Nitrophenol	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
Dibenzofuran	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
2,4-Dinitrotoluene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Diethylphthalate	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Chlorophenyl-phenylether	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Fluorene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Nitroaniline	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
4,6-Dinitro-2-methylphenol	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
N-Nitrosodiphenylamine (1)	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
4-Bromophenyl-phenylether	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Hexachlorobenzene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Pentachlorophenol	960 U	ug/kg	960	1000 U	ug/kg	1000	990 U	ug/kg	990	1000 U	ug/kg	1000
Phenanthrene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Anthracene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Carbazole	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Di-n-butylphthalate	400 U	ug/kg	400	420 U	ug/kg	420	460 U	ug/kg	460	420 U	ug/kg	420
Fluoranthene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420
Pyrene	400 U	ug/kg	400	420 U	ug/kg	420	410 U	ug/kg	410	420 U	ug/kg	420

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR14S2				CF17BR15S0				CF17BR15S0				CF17BR15S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S2D				CF17BR15S0				CF17BR15S0D				CF17BR15S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
3,3-Dichlorobenzidine	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Benzo (a) anthracene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Chrysene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
bis(2-Ethylhexyl) phthalate	46	J	ug/kg	400	48	J	ug/kg	420	89	J	ug/kg	410	150	J	ug/kg	420
Di-n-octylphthalate	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Benzo (b) fluoranthene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Benzo (k) fluoranthene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Benzo (a) pyrene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Dibenz (a,h) anthracene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420
Benzo (g,h,i) perylene	400	U	ug/kg	400	420	U	ug/kg	420	410	U	ug/kg	410	420	U	ug/kg	420

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2			
Locator	CF17BR15S2D				CF17BR15S2DR			
Collect Date:	15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Chloroethyl) ether	420	U	ug/kg	420	10	U	ug/l	10
2-Chlorophenol	420	U	ug/kg	420	10	U	ug/l	10
1,3-Dichlorobenzene	420	U	ug/kg	420	10	U	ug/l	10
1,4-Dichlorobenzene	420	U	ug/kg	420	10	U	ug/l	10
1,2-Dichlorobenzene	420	U	ug/kg	420	10	U	ug/l	10
2-Methylphenol	420	U	ug/kg	420	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	420	U	ug/kg	420	10	U	ug/l	10
4-Methylphenol	420	U	ug/kg	420	10	U	ug/l	10
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	10	U	ug/l	10
Hexachloroethane	420	U	ug/kg	420	10	U	ug/l	10
Nitrobenzene	420	U	ug/kg	420	10	U	ug/l	10
Isophorone	420	U	ug/kg	420	10	U	ug/l	10
2-Nitrophenol	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dimethylphenol	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dichlorophenol	420	U	ug/kg	420	10	U	ug/l	10
1,2,4-Trichlorobenzene	420	U	ug/kg	420	10	U	ug/l	10
Naphthalene	420	U	ug/kg	420	10	U	ug/l	10
4-Chloroaniline	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorobutadiene	420	U	ug/kg	420	10	U	ug/l	10
4-Chloro-3-methylphenol	420	U	ug/kg	420	10	U	ug/l	10
2-Methylnaphthalene	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorocyclopentadiene	420	U	ug/kg	420	10	U	ug/l	10
2,4,6-Trichlorophenol	420	U	ug/kg	420	10	U	ug/l	10
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	25	U	ug/l	25
2-Chloronaphthalene	420	U	ug/kg	420	10	U	ug/l	10
2-Nitroaniline	1000	U	ug/kg	1000	25	U	ug/l	25
Dimethylphthalate	420	U	ug/kg	420	10	U	ug/l	10
Acenaphthylene	420	U	ug/kg	420	10	U	ug/l	10
2,6-Dinitrotoluene	420	U	ug/kg	420	10	U	ug/l	10
3-Nitroaniline	1000	U	ug/kg	1000	25	U	ug/l	25
Acenaphthene	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dinitrophenol	1000	U	ug/kg	1000	25	U	ug/l	25
4-Nitrophenol	1000	U	ug/kg	1000	25	U	ug/l	25
Dibenzofuran	420	U	ug/kg	420	10	U	ug/l	10
2,4-Dinitrotoluene	420	U	ug/kg	420	10	U	ug/l	10
Diethylphthalate	420	U	ug/kg	420	10	U	ug/l	10
4-Chlorophenyl-phenylether	420	U	ug/kg	420	10	U	ug/l	10
Fluorene	420	U	ug/kg	420	10	U	ug/l	10
4-Nitroaniline	1000	U	ug/kg	1000	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	10	U	ug/l	10
4-Bromophenyl-phenylether	420	U	ug/kg	420	10	U	ug/l	10
Hexachlorobenzene	420	U	ug/kg	420	10	U	ug/l	10
Pentachlorophenol	1000	U	ug/kg	1000	25	U	ug/l	25
Phenanthrene	420	U	ug/kg	420	10	U	ug/l	10
Anthracene	420	U	ug/kg	420	10	U	ug/l	10
Carbazole	420	U	ug/kg	420	10	U	ug/l	10
Di-n-butylphthalate	420	U	ug/kg	420	10	U	ug/l	10
Fluoranthene	420	U	ug/kg	420	10	U	ug/l	10
Pyrene	420	U	ug/kg	420	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2			
Locator	CF17BR15S2D				CF17BR15S2DR			
Collect Date:	15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	420	U	ug/kg	420	10	U	ug/l	10
3,3-Dichlorobenzidine	420	U	ug/kg	420	10	U	ug/l	10
Benzo (a) anthracene	420	U	ug/kg	420	10	U	ug/l	10
Chrysene	420	U	ug/kg	420	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	270	J	ug/kg	420	10	U	ug/l	10
Di-n-octylphthalate	420	U	ug/kg	420	10	U	ug/l	10
Benzo (b) fluoranthene	420	U	ug/kg	420	10	U	ug/l	10
Benzo (k) fluoranthene	420	U	ug/kg	420	10	U	ug/l	10
Benzo (a) pyrene	420	U	ug/kg	420	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	10	U	ug/l	10
Dibenz (a,h) anthracene	420	U	ug/kg	420	10	U	ug/l	10
Benzo (g,h,i) perylene	420	U	ug/kg	420	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0MS			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1700		ug/kg	420
bis(2-Chloroethyl) ether	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2-Chlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1600		ug/kg	420
1,3-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
1,4-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	850		ug/kg	420
1,2-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2-Methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1100		ug/kg	420
Hexachloroethane	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Nitrobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Isophorone	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2-Nitrophenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dimethylphenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dichlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
1,2,4-Trichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1000		ug/kg	420
Naphthalene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Chloroaniline	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorobutadiene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Chloro-3-methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	2100		ug/kg	420
2-Methylnaphthalene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorocyclopentadiene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,4,6-Trichlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,4,5-Trichlorophenol	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
2-Chloronaphthalene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2-Nitroaniline	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
Dimethylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Acenaphthylene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,6-Dinitrotoluene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
3-Nitroaniline	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
Acenaphthene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1200		ug/kg	420
2,4-Dinitrophenol	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
4-Nitrophenol	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1800		ug/kg	1000
Dibenzofuran	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dinitrotoluene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1300		ug/kg	420
Diethylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Chlorophenyl-phenylether	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Fluorene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Nitroaniline	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
4,6-Dinitro-2-methylphenol	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1000	U	ug/kg	1000
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
4-Bromophenyl-phenylether	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Pentachlorophenol	980	U	ug/kg	980	960	U	ug/kg	960	1000	U	ug/kg	1000	1900		ug/kg	1000
Phenanthrene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Anthracene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Carbazole	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Di-n-butylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	26	J	ug/kg	420	65	J	ug/kg	420
Fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Pyrene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	1300		ug/kg	420
Butylbenzylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0MS			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (a) anthracene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Chrysene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
bis(2-Ethylhexyl) phthalate	37	J	ug/kg	400	39	J	ug/kg	400	28	J	ug/kg	420	33	J	ug/kg	420
Di-n-octylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (b) fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (k) fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (a) pyrene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Dibenz (a,h) anthracene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (g,h,i) perylene	400	U	ug/kg	400	400	U	ug/kg	400	420	U	ug/kg	420	420	U	ug/kg	420

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR5SOM			CF17BR5S2			CF17BR6SO			CF17BR6S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR5SOMSD			CF17BR5S2			CF17BR6SO			CF17BR6S2		
Collect Date:	12-NOV-93			12-NOV-93			11-NOV-93			11-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	1900	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	36 J	ug/kg	400
bis(2-Chloroethyl) ether	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2-Chlorophenol	1900	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
1,3-Dichlorobenzene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
1,4-Dichlorobenzene	1000	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
1,2-Dichlorobenzene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	120 J	ug/kg	400
2-Methylphenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	130 J	ug/kg	400
2,2-oxybis(1-Chloropropane)	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
4-Methylphenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	100 J	ug/kg	400
N-Nitroso-di-n-propylamine	1200	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Hexachloroethane	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Nitrobenzene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Isophorone	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2-Nitrophenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4-Dimethylphenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	150 J	ug/kg	400
bis(2-Chloroethoxy) methane	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4-Dichlorophenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
1,2,4-Trichlorobenzene	1200	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Naphthalene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
4-Chloroaniline	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Hexachlorobutadiene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
4-Chloro-3-methylphenol	2400	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2-Methylnaphthalene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Hexachlorocyclopentadiene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4,6-Trichlorophenol	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4,5-Trichlorophenol	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
2-Chloronaphthalene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2-Nitroaniline	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
Dimethylphthalate	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Acenaphthylene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,6-Dinitrotoluene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
3-Nitroaniline	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
Acenaphthene	1500	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4-Dinitrophenol	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
4-Nitrophenol	2000	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
Dibenzofuran	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
2,4-Dinitrotoluene	1500	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Diethylphthalate	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	28 J	ug/kg	400
4-Chlorophenyl-phenylether	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Fluorene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
4-Nitroaniline	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
4,6-Dinitro-2-methylphenol	1000 U	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
N-Nitrosodiphenylamine (1)	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
4-Bromophenyl-phenylether	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Hexachlorobenzene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Pentachlorophenol	2500	ug/kg	1000	950 U	ug/kg	950	950 U	ug/kg	950	980 U	ug/kg	980
Phenanthrene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Anthracene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Carbazole	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Di-n-butylphthalate	100 J	ug/kg	420	36 J	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Fluoranthene	420 U	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400
Pyrene	1500	ug/kg	420	390 U	ug/kg	390	390 U	ug/kg	390	400 U	ug/kg	400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	CF17BR5S0M				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR5S0MSD				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
3,3-Dichlorobenzidine	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Benzo (a) anthracene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Chrysene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	49	J	ug/kg	420	28	J	ug/kg	390	110	J	ug/kg	390	120	J	ug/kg	400
Di-n-octylphthalate	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Benzo (b) fluoranthene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Benzo (k) fluoranthene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Benzo (a) pyrene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Dibenz (a,h) anthracene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400
Benzo (g,h,i) perylene	420	U	ug/kg	420	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5463			H5464			H5777			H5778		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR4S0			CF17BR4S2			CF17BR5S0			CF17BR5S2		
Collect Date:	11-NOV-93			11-NOV-93			12-NOV-93			12-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	680	mg/kg	60	110	mg/kg	12	12 U	mg/kg	12	12 U	mg/kg	12

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5475			H5476			H5481			H5482		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR6S0			CF17BR6S2			CF17BR7S0			CF17BR7S2		
Collect Date:	11-NOV-93			11-NOV-93			11-NOV-93			11-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	810	mg/kg	59	330	mg/kg	24	480	mg/kg	63	5900	mg/kg	610

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5484				H5779				H5780				H5467			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR7S2R				CF17BR8S0				CF17BR8S2				CF17BR9S0			
Collect Date:	11-NOV-93				12-NOV-93				12-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH																
Total petroleum hydrocarbons	.5	U	mg/l	.5	16	U	mg/kg	16	16	U	mg/kg	16	44		mg/kg	12

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5469				H5477				H5478				H5781			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR9S2				CF17BR10S0				CF17BR10S2				CF17BR11S0			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH																
Total petroleum hydrocarbons	12	U	mg/kg	12	540		mg/kg	63	9200		mg/kg	610	44	U	mg/kg	44

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5782				H5783				H5479				H5480		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF17BR11S2				CF17BR11S2R				CF17BR12S0				CF17BR12S2		
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH																
Total petroleum hydrocarbons	15	U	mg/kg	15	.5	U	mg/l	.5	1500		mg/kg	120	910		mg/kg	60

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H5471			H5473			H6262			H6268		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR13S0			CF17BR13S2			CF17BR14S0			CF17BR14S2		
Collect Date:	11-NOV-93			11-NOV-93			15-NOV-93			15-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	15	mg/kg	12	12 U	mg/kg	12	13 U	mg/kg	13	13 U	mg/kg	13

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H6271				H6274				H6278				H6281			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S2D				CF17BR15S0				CF17BR15S0D				CF17BR15S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH																
Total petroleum hydrocarbons	12	U	mg/kg	12	13	U	mg/kg	13	13	U	mg/kg	13	13	U	mg/kg	13

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	H6282				H6283				K1084				K1086			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR15S2D				CF17BR15S2DR				CF17SS1				CF17SS2			
Collect Date:	15-NOV-93				15-NOV-93				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH																
Total petroleum hydrocarbons	13	U	mg/kg	13	.5	U	mg/l	.5	18		mg/kg	13	14	U	mg/kg	14

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	K1088			K1090			K1087			K1093		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS3			CF17SS3D			CF17SS4			CF17SS5		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	15	mg/kg	13	19	mg/kg	13	13 U	mg/kg	13	140	mg/kg	13

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	K1103			K1091			K1101			K1106		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS6			CF17SS7			CF17SS8			CF17SS9		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	170	mg/kg	12	17	mg/kg	14	210	mg/kg	13	16 U	mg/kg	16

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	K1097			K1104			K1109			K1110		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS10			CF17SS11			CF17SS12			CF17SS12D		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	20	mg/kg	12	15	mg/kg	14	13 U	mg/kg	13	13 U	mg/kg	13

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	K1108			K1111			K1112		
Site	CECIL2			CECIL2			CECIL2		
Locator	CF17SS13			CF17SS14			CF17SS14R		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
TPH									
Total petroleum hydrocarbons	18	mg/kg	15	13 U	mg/kg	13	.5 U	mg/l	.5

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR9S4D			CF5BR10S0			CF5BR10S0D			CF5BR10S4		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR9S4D			CF5BR10S0			CF5BR10S0D			CF5BR10S4		
Collect Date:	12-OCT-93			30-SEP-93			30-SEP-93			30-SEP-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.03) Aldolcondensationproduc	570	U ug/kg										
(4.48) Aldolcondensationproduc	12000	U ug/kg										
(5.53) Aldolcondensationproduc	640	U ug/kg										
(6.85) Ethanol,2-(2-Ethoxyetho	220	U ug/kg										
(14.43) Benzamide,N,N-Diethyl-	180	J ug/kg										
(11.98) Cyclohexaneisomer				1200	J ug/kg							
(9.87) Heptane,3-Methyl				1300	J ug/kg							
(11.98) Cyclohexaneisomer							17000	J ug/kg				
(12.00) Cyclohexaneisomer										2300	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR11S0			CF5BR11S6			CF5BR12S4			CF5BR12S6		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR11S0			CF5BR11S6			CF5BR12S4			CF5BR12S6		
Collect Date:	01-OCT-93			01-OCT-93			01-OCT-93			01-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.88) Hexane	900	U ug/kg										
(4.87) Hexane				970	U ug/kg							
(16.55) Cyclohexaneisomer							1900	J ug/kg				
(15.00) Cyclohexaneisomer										11000	J ug/kg	

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NAS CECIL FIELD -- OU2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR13S2			CF5BR13S4			CF5BR14S2			CF5BR15S0		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR13S2			CF5BR13S4			CF5BR14S2			CF5BR15S0		
Collect Date:	01-OCT-93			01-OCT-93			02-OCT-93			02-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.87) Hexane	1000	U ug/kg										
(4.90) Hexane				1000	U ug/kg							
(17.32) Trimethylbenzeneisomer							46	J ug/kg				
(17.15) Methylethylbenzeneisom							11	J ug/kg				
(3.75) Aldolcondensationproduc							48000	J ug/kg				
(3.75) Aldolcondensationproduc										52000	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR16S2			CF5BR16S4			CF5BR17S4			CF5BR17S4R		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR16S2			CF5BR16S4			CF5BR17S4			CF5BR17S4RE		
Collect Date:	02-OCT-93			02-OCT-93			02-OCT-93			02-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(16.80) Decane	39000	J ug/kg										
(16.78) Decane				40000	J ug/kg							
(3.78) Aldolcondensationproduc				65000	J ug/kg							
(16.80) Decane							150000	J ug/kg				
(16.67) Trimethylbenzeneisomer							25000	J ug/kg				
(4.07) Aldolcondensationproduc							5200	R ug/kg				
(23.47) Phosphoricacid,Tris(3-							1500	R ug/kg				
(3.72) Aldolcondensationproduc										71000	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5BR17S6			CF5BR18S2			CF5MS8S0			CF5MS8S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5BR17S6			CF5BR18S2			CF5MS8S0			CF5MS8S2		
Collect Date:	02-OCT-93			30-SEP-93			12-OCT-93			12-OCT-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(16.72) Decane	8100	J ug/kg										
(17.15) Methylethylbenzeneisom	660	J ug/kg										
(4.90) Hexane				920	U ug/kg							
(4.03) Aldolcondensationproduc							660	U ug/kg				
(4.50) Aldolcondensationproduc							13000	U ug/kg				
(5.55) Aldolcondensationproduc							760	U ug/kg				
(6.87) Ethanol,2-(2-Ethoxyetho							330	U ug/kg				
(4.03) Aldolcondensationproduc										660	U ug/kg	
(4.50) Aldolcondensationproduc										13000	U ug/kg	
(6.87) Ethanol,2-(2-Ethoxyetho										290	U ug/kg	
(5.55) Aldolcondensationproduc										770	U ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MS13S0				CF5MS13S0D				CF5MS13S4				CF5MS19S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MS13S0				CF5MS13S0D				CF5MS13S4				CF5MS19S0			
Collect Date:	11-OCT-93				11-OCT-93				11-OCT-93				05-OCT-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(4.02) Aldolcondensationproduc	550	U	ug/kg													
(4.48) Aldolcondensationproduc	11000	U	ug/kg													
(6.85) Ethanol,2-(2-Ethoxyetho	310	U	ug/kg													
(5.53) Aldolcondensationproduc	650	U	ug/kg													
(4.03) Aldolcondensationproduc					630	U	ug/kg									
(4.50) Aldolcondensationproduc					13000	U	ug/kg									
(5.55) Aldolcondensationproduc					700	U	ug/kg									
(6.87) Ethanol,2-(2-Ethoxyetho					290	U	ug/kg									
(4.02) Aldolcondensationproduc									480	U	ug/kg					
(4.48) Aldolcondensationproduc									10000	U	ug/kg					
(5.53) Aldolcondensationproduc									530	U	ug/kg					
(6.85) Ethanol,2-(2-Ethoxyetho									200	U	ug/kg					
(3.80) 2-Propanol(Acn)									110	J	ug/kg					
(15.58) 3-Carene													15	J	ug/kg	
(3.68) Aldolcondensationproduc													310	J	ug/kg	
(3.83) Aldolcondensationproduc													570	J	ug/kg	
(5.18) Aldolcondensationproduc													340	J	ug/kg	
(6.50) Ethanol,2-(2-Ethoxyetho													380	U	ug/kg	
(4.27) Aldolcondensationproduc													31000	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MS19S4			CF5MS19S4R			CF5MS20S0			CF5MS20S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MS19S4			CF5MS19S4R			CF5MS20S0			CF5MS20S2		
Collect Date:	05-OCT-93			05-OCT-93			04-OCT-93			04-OCT-93		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
TENTATIVELY IDENTIFIED CMPNDS.												
(3.68) 2-Propanol(Acn)	280	J	ug/kg									
(3.37) Aldolcondensationproduc	86	J	ug/kg									
(3.68) Aldolcondensationproduc	270	J	ug/kg									
(3.85) Aldolcondensationproduc	620	J	ug/kg									
(4.27) Aldolcondensationproduc	30000	J	ug/kg									
(6.50) Ethanol,2-(2-Ethoxyetho	400	U	ug/kg									
(6.73) Ethanol,2-(2-Ethoxyetho				4	U	ug/l						
(3.10) 1,2-Propanediol							1100	J	ug/kg			
(4.30) Aldolcondensationproduc							39000	J	ug/kg			
(6.52) Ethanol,2-(2-Ethoxyetho							780	U	ug/kg			
(5.20) Aldolcondensationproduc							490	J	ug/kg			
(3.72) 2-Propanol(Acn)										6	J	ug/kg
(3.07) 1,2-Propanediol										690	J	ug/kg
(3.68) Aldolcondensationproduc										260	J	ug/kg
(4.30) Aldolcondensationproduc										39000	J	ug/kg
(5.20) Aldolcondensationproduc										440	J	ug/kg
(6.52) Ethanol,2-(2-Ethoxyetho										540	U	ug/kg

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MS23S0			CF5MS23S10			CF5MS24S6			CF5MS29S0		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MS23S0			CF5MS23S10R			CF5MS24S6			CF5MS29S0		
Collect Date:	21-SEP-93			21-SEP-93			27-SEP-93			22-SEP-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(6.47) Ethanol,2-(2-Ethoxyetho	140	U ug/kg										
(6.73) Ethanol,2-(2-Ethoxyetho				25	J ug/l							
(3.68) 2-Propanol(Acn)							30	J ug/kg				
(6.47) Ethanol,2-(2-Ethoxyetho										110	U ug/kg	
(15.55) 3-Carene										15	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MS29S4			CF5MS30S6		
Site	CECIL2			CECIL2		
Locator	CF5MS29S4			CF5MS30S6		
Collect Date:	22-SEP-93			20-SEP-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.						
(6.47) Ethanol,2-(2-Ethoxyetho	120	U ug/kg				
(17.08) Ethylmethylbenzeneisom				7	J ug/kg	

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6SR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW3S				CF5MW4S				CF5MW5S				CF5MW6SR			
Collect Date:	01-DEC-93				01-DEC-93				02-DEC-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(16.58) Trimethylbenzeneisomer	36	J	ug/l													
(16.40) Ethylmethylbenzeneisom	45	J	ug/l													
(16.37) Ethylmethylbenzeneisom					59	J	ug/l									
(16.57) Trimethylbenzeneisomer					44	J	ug/l									
(16.40) Ethylmethylbenzeneisom									42	J	ug/l					
(6.55) Ethanol,2-(2-Ethoxyetho													17	U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MW7S				CF58S				CF510S				CF511I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW7S				CF58S				CF510S				CF511I			
Collect Date:	01-DEC-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(19.18) Sulfur,Mol.(S8)	5	J	ug/l													
(6.60) Ethanol,2-(2-Ethoxyetho	18	U	ug/l													
(6.65) Ethanol,2-(2-Ethoxyetho					3	U	ug/l									
(6.65) Ethanol,2-(2-Ethoxyetho									3	U	ug/l					
(3.87) 2-Propanol													7	J	ug/l	
(6.70) Ethanol,2-(2-Ethoxyetho													3	U	ug/l	

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF512D				CF513S				CF513SR				CF514I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF512D				CF513S				CF513SR				CF514I			
Collect Date:	15-NOV-93				14-NOV-93				14-NOV-93				14-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.88) 2-Propanol	2	J	ug/l													
(6.70) Ethanol,2-(2-Ethoxyetho	3	U	ug/l													
(6.70) Ethanol,2-(2-Ethoxyetho					3	U	ug/l									
(6.70) Ethanol,2-(2-Ethoxyetho									4	U	ug/l					
(12.10) Cyclohexaneisomer													1	J	ug/l	
(12.58) Cyclohexaneisomer													2	J	ug/l	
(13.68) Cyclohexaneisomer													2	J	ug/l	
(15.03) Cyclohexaneisomer													3	J	ug/l	
(3.90) 2-Propanol													6	J	ug/l	
(16.57) Cyclohexaneisomer													1	J	ug/l	
(6.70) Ethanol,2-(2-Ethoxyetho													4	U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF515D				CF5MW16S				CF5MW17I				CF5MW18D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF515D				CF5MW16S				CF5MW17I				CF5MW18D			
Collect Date:	14-NOV-93				30-NOV-93				30-NOV-93				30-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(6.72) Ethanol,2-(2-Ethoxyetho	5	U	ug/l													
(6.62) Ethanol,2-(2-Ethoxyetho					8	U	ug/l									
(16.35) Cyclohexaneisomer					6	J	ug/l									
(6.62) Ethanol,2-(2-Ethoxyetho									7	U	ug/l					
(6.62) Ethanol,2-(2-Ethoxyetho													6	U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MW18DR			CF5MW19S			CF5MW19SD			CF5MW20S		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF5MW18DR			CF5MW19S			CF5MW19SD			CF5MW20S		
Collect Date:	30-NOV-93			30-NOV-93			30-NOV-93			29-NOV-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(6.62) Ethanol,2-(2-Ethoxyetho	7 J	ug/l										
(6.60) Ethanol,2-(2-Ethoxyetho				7 U	ug/l							
(6.62) Ethanol,2-(2-Ethoxyetho							10 U	ug/l				
(16.55) Trimethylbenzeneisomer							1 J	ug/l				
(6.62) Ethanol,2-(2-Ethoxyetho										13 U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MW21I				CF5MW22D				CF5MW23S				CF5MW28D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5MW21I				CF5MW22D				CF5MW23S				CF5MW28D			
Collect Date:	29-NOV-93				29-NOV-93				29-NOV-93				01-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(6.63) Ethanol,2-(2-Ethoxyetho	18	U	ug/l													
(6.62) Ethanol,2-(2-Ethoxyetho					10	U	ug/l									
(19.23) Sulfur,Mol.(S8)									8	J	ug/l					
(6.62) Ethanol,2-(2-Ethoxyetho									10	U	ug/l					
(6.60) Ethanol,2-(2-Ethoxyetho													16	U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 5
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF5MW28DD				CF5MW29SD				CF5MW30S			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF5MW28DD				CF5MW29SD				CF5MW30S			
Collect Date:	01-DEC-93				17-NOV-93				02-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(6.58) Ethanol,2-(2-Ethoxyetho	14	U	ug/l									
(10.45) Caprolactam					24	J	ug/l					
(16.15) Benzene,Propyl-									3	J	ug/l	
(16.58) Trimethylbenzeneisomer									26	J	ug/l	
(16.38) Ethylmethylbenzeneisom									31	J	ug/l	

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SITE 17 SURFACE SOIL DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K1003				K1006				K1008				K1009			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS1				CF17SS2				CF17SS3				CF17SS3D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
Bromomethane	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
Vinyl chloride	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
Chloroethane	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Acetone	13	U	ug/kg	13	14	U	ug/kg	14	220		ug/kg	16	160		ug/kg	13
Carbon disulfide	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
2-Butanone	13	U	ug/kg	13	14	U	ug/kg	14	170	J	ug/kg	16	85	J	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
4-Methyl-2-pentanone	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
2-Hexanone	13	U	ug/kg	13	14	U	ug/kg	14	16	U	ug/kg	16	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	7	U	ug/kg	7	76	J	ug/kg	16	190	J	ug/kg	13
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	7	U	ug/kg	7	8	U	ug/kg	8	6	U	ug/kg	6

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K1007				K1011				K1014				K1014MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS4				CF17SS5				CF17SS6				CF17SS6MS			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	14	U	ug/kg	14	14	U	ug/kg	14	12	U	ug/kg	12	27		ug/kg	12
Carbon disulfide	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	69		ug/kg	12
1,1-Dichloroethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	60		ug/kg	12
Dibromochloromethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	63		ug/kg	12
trans-1,3-Dichloropropene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	14	U	ug/kg	14	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	70		ug/kg	12
1,1,2,2-Tetrachloroethane	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	62		ug/kg	12
Ethylbenzene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K1014MSD				K1010				K1013				K1016			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS6MSD				CF17SS7				CF17SS8				CF17SS9			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
Bromomethane	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
Vinyl chloride	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
Chloroethane	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
Methylene chloride	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Acetone	32		ug/kg	12	14	U	ug/kg	14	5200		ug/kg	1700	16	U	ug/kg	16
Carbon disulfide	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,1-Dichloroethene	67		ug/kg	12	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,1-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,2-Dichloroethene (total)	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Chloroform	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,2-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
2-Butanone	12	U	ug/kg	12	14	U	ug/kg	14	1400	J	ug/kg	1700	16	U	ug/kg	16
1,1,1-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Carbon tetrachloride	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Bromodichloromethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,2-Dichloropropane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
cis-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Trichloroethene	60		ug/kg	12	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Dibromochloromethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,1,2-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Benzene	63		ug/kg	12	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
trans-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Bromoform	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
4-Methyl-2-pentanone	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
2-Hexanone	12	U	ug/kg	12	14	U	ug/kg	14	1700	U	ug/kg	1700	16	U	ug/kg	16
Tetrachloroethene	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Toluene	70		ug/kg	12	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Chlorobenzene	62		ug/kg	12	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Ethylbenzene	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Styrene	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8
Xylenes (total)	6	U	ug/kg	6	7	U	ug/kg	7	860	U	ug/kg	860	8	U	ug/kg	8

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K1012				K1015				K1018				K1019			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS10				CF17SS11				CF17SS12				CF17SS12D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Bromomethane	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Vinyl chloride	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Chloroethane	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Acetone	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Carbon disulfide	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
2-Hexanone	12	U	ug/kg	12	14	U	ug/kg	14	13	U	ug/kg	13	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	3	J	ug/kg	14	3	J	ug/kg	13	6	U	ug/kg	6

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- VOLATILES

Lab Sample Number:	K1017				K1020				K1021				K1022			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS13				CF17SS14				CF17SS14R				CF17SS14RT			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
Bromomethane	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
Chloroethane	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
Methylene chloride	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Acetone	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	9	J	ug/l	10
Carbon disulfide	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethene (total)	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Chloroform	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
2-Butanone	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
1,1,1-Trichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Carbon tetrachloride	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Bromodichloromethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloropropane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
cis-1,3-Dichloropropene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Trichloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Dibromochloromethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
1,1,2-Trichloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Benzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
trans-1,3-Dichloropropene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Bromoform	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
4-Methyl-2-pentanone	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
2-Hexanone	14	U	ug/kg	14	13	U	ug/kg	13	10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Toluene	7	U	ug/kg	7	3	J	ug/kg	13	5	U	ug/l	5	5	U	ug/l	5
1,1,2,2-Tetrachloroethane	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Chlorobenzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Ethylbenzene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Styrene	7	U	ug/kg	7	7	U	ug/kg	7	5	U	ug/l	5	5	U	ug/l	5
Xylenes (total)	7	U	ug/kg	7	6	J	ug/kg	13	5	U	ug/l	5	5	U	ug/l	5

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1003			K1006			K1008			K1009		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS1			CF17SS2			CF17SS3			CF17SS3D		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	420	U ug/kg	420	460	U ug/kg	460	90	J ug/kg	420	68	J ug/kg	420
bis(2-Chloroethyl) ether	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2-Chlorophenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
1,3-Dichlorobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
1,4-Dichlorobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
1,2-Dichlorobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2-Methylphenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,2-oxybis(1-Chloropropane)	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Methylphenol	420	U ug/kg	420	460	U ug/kg	460	990	ug/kg	420	570	ug/kg	420
N-Nitroso-di-n-propylamine	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Hexachloroethane	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Nitrobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Isophorone	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2-Nitrophenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4-Dimethylphenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
bis(2-Chloroethoxy) methane	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4-Dichlorophenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
1,2,4-Trichlorobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Naphthalene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Chloroaniline	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Hexachlorobutadiene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Chloro-3-methylphenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2-Methylnaphthalene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Hexachlorocyclopentadiene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4,6-Trichlorophenol	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4,5-Trichlorophenol	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
2-Chloronaphthalene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2-Nitroaniline	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
Dimethylphthalate	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Acenaphthylene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,6-Dinitrotoluene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
3-Nitroaniline	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
Acenaphthene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4-Dinitrophenol	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
4-Nitrophenol	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
Dibenzofuran	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
2,4-Dinitrotoluene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Diethylphthalate	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Chlorophenyl-phenylether	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Fluorene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Nitroaniline	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
4,6-Dinitro-2-methylphenol	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
N-Nitrosodiphenylamine (1)	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
4-Bromophenyl-phenylether	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Hexachlorobenzene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Pentachlorophenol	1000	U ug/kg	1000	1100	U ug/kg	1100	1000	U ug/kg	1000	1000	U ug/kg	1000
Phenanthrene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Anthracene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Carbazole	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Di-n-butylphthalate	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Fluoranthene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Pyrene	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420
Butylbenzylphthalate	420	U ug/kg	420	460	U ug/kg	460	420	U ug/kg	420	420	U ug/kg	420

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1003				K1006				K1008				K1009			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS1				CF17SS2				CF17SS3				CF17SS30			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (a) anthracene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Chrysene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
bis(2-Ethylhexyl) phthalate	420	U	ug/kg	420	460	U	ug/kg	460	31	J	ug/kg	420	43	J	ug/kg	420
Di-n-octylphthalate	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (b) fluoranthene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (k) fluoranthene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (a) pyrene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Dibenz (a,h) anthracene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (g,h,i) perylene	420	U	ug/kg	420	460	U	ug/kg	460	420	U	ug/kg	420	420	U	ug/kg	420

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1007			K1011			K1014			K1014MS		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS4			CF17SS5			CF17SS6			CF17SS6MS		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1800	ug/kg	400
bis(2-Chloroethyl) ether	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2-Chlorophenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1700	ug/kg	400
1,3-Dichlorobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
1,4-Dichlorobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1100	ug/kg	400
1,2-Dichlorobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2-Methylphenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,2-oxybis(1-Chloropropane)	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
4-Methylphenol	460 U	ug/kg	460	410 U	ug/kg	410	66 J	ug/kg	400	64 J	ug/kg	400
N-Nitroso-di-n-propylamine	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1200	ug/kg	400
Hexachloroethane	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Nitrobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Isophorone	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2-Nitrophenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dimethylphenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
bis(2-Chloroethoxy) methane	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dichlorophenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
1,2,4-Trichlorobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Naphthalene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1200	ug/kg	400
4-Chloroaniline	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Hexachlorobutadiene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
4-Chloro-3-methylphenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2-Methylnaphthalene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1900	ug/kg	400
Hexachlorocyclopentadiene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,4,6-Trichlorophenol	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,4,5-Trichlorophenol	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
2-Chloronaphthalene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2-Nitroaniline	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
Dimethylphthalate	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Acenaphthylene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,6-Dinitrotoluene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
3-Nitroaniline	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
Acenaphthene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1400	ug/kg	400
2,4-Dinitrophenol	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
4-Nitrophenol	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	900 J	ug/kg	980
Dibenzofuran	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dinitrotoluene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1200	ug/kg	400
Diethylphthalate	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
4-Chlorophenyl-phenylether	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Fluorene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
4-Nitroaniline	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
4,6-Dinitro-2-methylphenol	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	980 U	ug/kg	980
N-Nitrosodiphenylamine (1)	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
4-Bromophenyl-phenylether	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Hexachlorobenzene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Pentachlorophenol	1100 U	ug/kg	1100	990 U	ug/kg	990	980 U	ug/kg	980	1500	ug/kg	980
Phenanthrene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Anthracene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Carbazole	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Di-n-butylphthalate	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	110 J	ug/kg	400
Fluoranthene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	400 U	ug/kg	400
Pyrene	460 U	ug/kg	460	410 U	ug/kg	410	400 U	ug/kg	400	1500	ug/kg	400

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1007				K1011				K1014				K1014MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS4				CF17SS5				CF17SS6				CF17SS6MS			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
3,3-Dichlorobenzidine	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) anthracene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Chrysene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	460	U	ug/kg	460	75	J	ug/kg	410	400	U	ug/kg	400	31	J	ug/kg	400
Di-n-octylphthalate	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (b) fluoranthene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (k) fluoranthene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) pyrene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Indeno (1,2,3-cd) pyrene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Dibenz (a,h) anthracene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (g,h,i) perylene	460	U	ug/kg	460	410	U	ug/kg	410	400	U	ug/kg	400	400	U	ug/kg	400

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1014MSD				K1010				K1013				K1016		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF17SS6MSD				CF17SS7				CF17SS8				CF17SS9		
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	2000		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
bis(2-Chloroethyl) ether	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2-Chlorophenol	2000		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
1,3-Dichlorobenzene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
1,4-Dichlorobenzene	1200		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
1,2-Dichlorobenzene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2-Methylphenol	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Methylphenol	92	J	ug/kg	400	100	J	ug/kg	450	150	J	ug/kg	450	530	U	ug/kg	530
N-Nitroso-di-n-propylamine	1400		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Hexachloroethane	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Nitrobenzene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Isophorone	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2-Nitrophenol	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4-Dimethylphenol	250	J	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4-Dichlorophenol	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
1,2,4-Trichlorobenzene	1400		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Naphthalene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Chloroaniline	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Hexachlorobutadiene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Chloro-3-methylphenol	2300		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2-Methylnaphthalene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Hexachlorocyclopentadiene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4,6-Trichlorophenol	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4,5-Trichlorophenol	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
2-Chloronaphthalene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2-Nitroaniline	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
Dimethylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Acenaphthylene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,6-Dinitrotoluene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
3-Nitroaniline	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
Acenaphthene	1600		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4-Dinitrophenol	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
4-Nitrophenol	1900		ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
Dibenzofuran	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
2,4-Dinitrotoluene	1800		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Diethylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Chlorophenyl-phenylether	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Fluorene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Nitroaniline	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
4,6-Dinitro-2-methylphenol	980	U	ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
4-Bromophenyl-phenylether	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Hexachlorobenzene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Pentachlorophenol	1100		ug/kg	980	1100	U	ug/kg	1100	1100	U	ug/kg	1100	1300	U	ug/kg	1300
Phenanthrene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Anthracene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Carbazole	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Di-n-butylphthalate	230	J	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Fluoranthene	25	J	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Pyrene	1700		ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1014MSD				K1010				K1013				K1016			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS6MSD				CF17SS7				CF17SS8				CF17SS9			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
3,3-Dichlorobenzidine	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Benzo (a) anthracene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Chrysene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
bis(2-Ethylhexyl) phthalate	36	J	ug/kg	400	450	U	ug/kg	450	47	J	ug/kg	450	530	U	ug/kg	530
Di-n-octylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Benzo (b) fluoranthene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Benzo (k) fluoranthene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Benzo (a) pyrene	20	J	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Dibenz (a,h) anthracene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530
Benzo (g,h,i) perylene	400	U	ug/kg	400	450	U	ug/kg	450	450	U	ug/kg	450	530	U	ug/kg	530

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1012			K1015			K1018			K1019		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS10			CF17SS11			CF17SS12			CF17SS12D		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
bis(2-Chloroethyl) ether	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2-Chlorophenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
1,3-Dichlorobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
1,4-Dichlorobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
1,2-Dichlorobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2-Methylphenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,2-oxybis(1-Chloropropane)	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Methylphenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
N-Nitroso-di-n-propylamine	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Hexachloroethane	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Nitrobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Isophorone	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2-Nitrophenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4-Dimethylphenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
bis(2-Chloroethoxy) methane	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4-Dichlorophenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
1,2,4-Trichlorobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Naphthalene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Chloroaniline	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Hexachlorobutadiene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Chloro-3-methylphenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2-Methylnaphthalene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Hexachlorocyclopentadiene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4,6-Trichlorophenol	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4,5-Trichlorophenol	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
2-Chloronaphthalene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2-Nitroaniline	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
Dimethylphthalate	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Acenaphthylene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,6-Dinitrotoluene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
3-Nitroaniline	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
Acenaphthene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4-Dinitrophenol	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
4-Nitrophenol	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
Dibenzofuran	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
2,4-Dinitrotoluene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Diethylphthalate	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Chlorophenyl-phenylether	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Fluorene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Nitroaniline	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
4,6-Dinitro-2-methylphenol	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
N-Nitrosodiphenylamine (1)	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
4-Bromophenyl-phenylether	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Hexachlorobenzene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Pentachlorophenol	960 U	ug/kg	960	1100 U	ug/kg	1100	1100 U	ug/kg	1100	1000 U	ug/kg	1000
Phenanthrene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Anthracene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Carbazole	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Di-n-butylphthalate	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Fluoranthene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430
Pyrene	400 U	ug/kg	400	450 U	ug/kg	450	440 U	ug/kg	440	430 U	ug/kg	430

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1012				K1015				K1018				K1019			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS10				CF17SS11				CF17SS12				CF17SS12D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
3,3-Dichlorobenzidine	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Benzo (a) anthracene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Chrysene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
bis(2-Ethylhexyl) phthalate	25	J	ug/kg	400	26	J	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Di-n-octylphthalate	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Benzo (b) fluoranthene	30	J	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Benzo (k) fluoranthene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Benzo (a) pyrene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Dibenz (a,h) anthracene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430
Benzo (g,h,i) perylene	400	U	ug/kg	400	450	U	ug/kg	450	440	U	ug/kg	440	430	U	ug/kg	430

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1017				K1020				K1021			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SS13				CF17SS14				CF17SS14R			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	450	U	ug/kg	450	440	U	ug/kg	440	2	J	ug/l	10
bis(2-Chloroethyl) ether	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2-Chlorophenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
1,3-Dichlorobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
1,4-Dichlorobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
1,2-Dichlorobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2-Methylphenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Methylphenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
N-Nitroso-di-n-propylamine	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Hexachloroethane	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Nitrobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Isophorone	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2-Nitrophenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4-Dimethylphenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
bis(2-Chloroethoxy) methane	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4-Dichlorophenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
1,2,4-Trichlorobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Naphthalene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Chloroaniline	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Hexachlorobutadiene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Chloro-3-methylphenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2-Methylnaphthalene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Hexachlorocyclopentadiene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4,6-Trichlorophenol	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4,5-Trichlorophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
2-Chloronaphthalene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
Dimethylphthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Acenaphthylene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,6-Dinitrotoluene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
3-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
Acenaphthene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4-Dinitrophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
4-Nitrophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
Dibenzofuran	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
2,4-Dinitrotoluene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Diethylphthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Chlorophenyl-phenylether	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Fluorene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
4-Bromophenyl-phenylether	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Hexachlorobenzene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Pentachlorophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100	25	U	ug/l	25
Phenanthrene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Anthracene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Carbazole	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Di-n-butylphthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Fluoranthene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Pyrene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- SEMIVOLATILES

Lab Sample Number:	K1017				K1020				K1021			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SS13				CF17SS14				CF17SS14R			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
3,3-Dichlorobenzidine	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Benzo (a) anthracene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Chrysene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Di-n-octylphthalate	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Benzo (b) fluoranthene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Benzo (k) fluoranthene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Benzo (a) pyrene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Dibenz (a,h) anthracene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10
Benzo (g,h,i) perylene	450	U	ug/kg	450	440	U	ug/kg	440	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K1003				K1006				K1008				K1009			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS1				CF17SS2				CF17SS3				CF17SS3D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
beta-BHC	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
delta-BHC	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Heptachlor	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Aldrin	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	.2	U	ug/kg	.2	2.1	U	ug/kg	2.1
Heptachlor epoxide	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Endosulfan I	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Dieldrin	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	1	U	ug/kg	1	4.2	U	ug/kg	4.2
4,4-DDE	.45	J	ug/kg	4	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endosulfan II	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDD	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endosulfan sulfate	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDT	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Methoxychlor	22	U	ug/kg	22	24	U	ug/kg	24	21	U	ug/kg	21	21	U	ug/kg	21
Endrin ketone	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin aldehyde	4.2	U	ug/kg	4.2	4.6	U	ug/kg	4.6	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
alpha-Chlordane	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-Chlordane	2.2	U	ug/kg	2.2	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Toxaphene	220	U	ug/kg	220	240	U	ug/kg	240	210	U	ug/kg	210	210	U	ug/kg	210
Aroclor-1016	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1221	86	U	ug/kg	86	94	U	ug/kg	94	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1232	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1242	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1248	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1254	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1260	42	U	ug/kg	42	46	U	ug/kg	46	42	U	ug/kg	42	42	U	ug/kg	42

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K1007				K1011				K1014				K1014RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS4				CF17SS5				CF17SS6				CF17SS6RE			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
beta-BHC	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
delta-BHC	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Heptachlor	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	1	U	ug/kg	1
Aldrin	2.4	U	ug/kg	2.4	.2	U	ug/kg	.2	.8	U	ug/kg	.8	.9	U	ug/kg	.9
Heptachlor epoxide	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Endosulfan I	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Dieldrin	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	.3	U	ug/kg	.3	.3	U	ug/kg	.3
4,4-DDE	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
Endrin	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan II	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDD	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan sulfate	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDT	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
Methoxychlor	24	U	ug/kg	24	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Endrin ketone	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
Endrin aldehyde	4.6	U	ug/kg	4.6	4.1	U	ug/kg	4.1	4	U	ug/kg	4	4	U	ug/kg	4
alpha-Chlordane	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-Chlordane	2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Toxaphene	240	U	ug/kg	240	210	U	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
Aroclor-1016	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1221	93	U	ug/kg	93	82	U	ug/kg	82	81	U	ug/kg	81	82	U	ug/kg	82
Aroclor-1232	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1242	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1248	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1254	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1260	46	U	ug/kg	46	41	U	ug/kg	41	40	U	ug/kg	40	40	U	ug/kg	40

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K1010				K1013				K1016				K1012			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS7				CF17SS8				CF17SS9				CF17SS10			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
beta-BHC	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
delta-BHC	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
gamma-BHC (Lindane)	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
Heptachlor	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
Aldrin	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	1	U	ug/kg	1
Heptachlor epoxide	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
Endosulfan I	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
Dieldrin	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	.4	U	ug/kg	.4	4	U	ug/kg	4
4,4-DDE	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	.6	U	ug/kg	.6	4	U	ug/kg	4
Endrin	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
Endosulfan II	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
4,4-DDD	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	.3	U	ug/kg	.3
Endosulfan sulfate	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
4,4-DDT	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
Methoxychlor	23	U	ug/kg	23	23	U	ug/kg	23	27	U	ug/kg	27	20	U	ug/kg	20
Endrin ketone	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
Endrin aldehyde	4.5	U	ug/kg	4.5	4.5	U	ug/kg	4.5	5.3	U	ug/kg	5.3	4	U	ug/kg	4
alpha-Chlordane	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
gamma-Chlordane	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3	2.7	U	ug/kg	2.7	2	U	ug/kg	2
Toxaphene	230	U	ug/kg	230	230	U	ug/kg	230	270	U	ug/kg	270	200	U	ug/kg	200
Aroclor-1016	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40
Aroclor-1221	92	U	ug/kg	92	92	U	ug/kg	92	110	U	ug/kg	110	81	U	ug/kg	81
Aroclor-1232	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40
Aroclor-1242	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40
Aroclor-1248	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40
Aroclor-1254	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40
Aroclor-1260	45	U	ug/kg	45	45	U	ug/kg	45	53	U	ug/kg	53	40	U	ug/kg	40

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K1015				K1018				K1019				K1017			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS11				CF17SS12				CF17SS12D				CF17SS13			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
beta-BHC	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
delta-BHC	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
gamma-BHC (Lindane)	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
Heptachlor	2.3	UJ	ug/kg	2.3	.2	U	ug/kg	.2	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
Aldrin	.2	UJ	ug/kg	.2	.4	U	ug/kg	.4	.3	U	ug/kg	.3	.4	U	ug/kg	.4
Heptachlor epoxide	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
Endosulfan I	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
Dieldrin	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
4,4-DDE	4.5	UJ	ug/kg	4.5	1	U	ug/kg	1	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
Endrin	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
Endosulfan II	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
4,4-DDD	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
Endosulfan sulfate	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
4,4-DDT	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
Methoxychlor	23	UJ	ug/kg	23	23	U	ug/kg	23	22	U	ug/kg	22	23	U	ug/kg	23
Endrin ketone	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
Endrin aldehyde	4.5	UJ	ug/kg	4.5	4.4	U	ug/kg	4.4	4.3	U	ug/kg	4.3	4.5	U	ug/kg	4.5
alpha-Chlordane	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
gamma-Chlordane	2.3	UJ	ug/kg	2.3	2.3	U	ug/kg	2.3	2.2	U	ug/kg	2.2	2.3	U	ug/kg	2.3
Toxaphene	230	UJ	ug/kg	230	230	U	ug/kg	230	220	U	ug/kg	220	230	U	ug/kg	230
Aroclor-1016	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45
Aroclor-1221	92	UJ	ug/kg	92	89	U	ug/kg	89	88	U	ug/kg	88	92	U	ug/kg	92
Aroclor-1232	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45
Aroclor-1242	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45
Aroclor-1248	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45
Aroclor-1254	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45
Aroclor-1260	45	UJ	ug/kg	45	44	U	ug/kg	44	43	U	ug/kg	43	45	U	ug/kg	45

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- PESTICIDES AND PCBs

Lab Sample Number:	K1020				K1021			
Site	CECIL2				CECIL2			
Locator	CF17SS14				CF17SS14R			
Collect Date:	12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
beta-BHC	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
delta-BHC	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
gamma-BHC (Lindane)	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
Heptachlor	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
Aldrin	.3	UJ	ug/kg	.3	.1	U	ug/l	.1
Heptachlor epoxide	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
Endosulfan I	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
Dieldrin	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
4,4-DDE	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
Endrin	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
Endosulfan II	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
4,4-DDD	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
Endosulfan sulfate	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
4,4-DDT	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
Methoxychlor	23	UJ	ug/kg	23	.5	U	ug/l	.5
Endrin ketone	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
Endrin aldehyde	4.4	UJ	ug/kg	4.4	.1	U	ug/l	.1
alpha-Chlordane	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
gamma-Chlordane	2.3	UJ	ug/kg	2.3	.05	U	ug/l	.05
Toxaphene	230	UJ	ug/kg	230	5	U	ug/l	5
Aroclor-1016	44	UJ	ug/kg	44	1	U	ug/l	1
Aroclor-1221	89	UJ	ug/kg	89	2	U	ug/l	2
Aroclor-1232	44	UJ	ug/kg	44	1	U	ug/l	1
Aroclor-1242	44	UJ	ug/kg	44	1	U	ug/l	1
Aroclor-1248	44	UJ	ug/kg	44	1	U	ug/l	1
Aroclor-1254	44	UJ	ug/kg	44	1	U	ug/l	1
Aroclor-1260	44	UJ	ug/kg	44	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K1003				K1006				K1008				K1009			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS1				CF17SS2				CF17SS3				CF17SS3D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	613	J	mg/kg	40	1510	J	mg/kg	40	915	J	mg/kg	40	870	J	mg/kg	40
Antimony	3.9	U	mg/kg	12	4.1	U	mg/kg	12	3.9	U	mg/kg	12	3.9	U	mg/kg	12
Arsenic	.52	U	mg/kg	2	.56	U	mg/kg	2	.5	U	mg/kg	2	.5	U	mg/kg	2
Barium	3.5	U	mg/kg	40	2.1	U	mg/kg	40	2.1	U	mg/kg	40	2.1	U	mg/kg	40
Beryllium	.26	U	mg/kg	1	.28	U	mg/kg	1	.26	U	mg/kg	1	.26	U	mg/kg	1
Cadmium	.77	U	mg/kg	1	.83	U	mg/kg	1	.78	U	mg/kg	1	.77	U	mg/kg	1
Calcium	682	J	mg/kg	1000	97.8	J	mg/kg	1000	712	J	mg/kg	1000	782	J	mg/kg	1000
Chromium	2.6	U	mg/kg	2	3.1		mg/kg	2	2.6	U	mg/kg	2	2.6	U	mg/kg	2
Cobalt	1.5	U	mg/kg	10	1.7	U	mg/kg	10	1.6	U	mg/kg	10	1.5	U	mg/kg	10
Copper	.66	U	mg/kg	5	.63	U	mg/kg	5	.58	U	mg/kg	5	.57	U	mg/kg	5
Iron	407	J	mg/kg	20	712	J	mg/kg	20	323	J	mg/kg	20	322	J	mg/kg	20
Lead	4.6		mg/kg	1	3.5		mg/kg	1	2.4		mg/kg	1	2.4		mg/kg	1
Magnesium	45.5	U	mg/kg	1000	52	U	mg/kg	1000	56.2	U	mg/kg	1000	52.7	U	mg/kg	1000
Manganese	2.1	UJ	mg/kg	3	2	UJ	mg/kg	3	2.4	UJ	mg/kg	3	2.2	UJ	mg/kg	3
Mercury	.13	U	mg/kg	.1	.14	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.8	U	mg/kg	8	1.9	U	mg/kg	8	1.8	U	mg/kg	8	1.8	U	mg/kg	8
Potassium	32.7	U	mg/kg	1000	32.5	U	mg/kg	1000	32.1	U	mg/kg	1000	28.3	U	mg/kg	1000
Selenium	.52	U	mg/kg	1	.56	U	mg/kg	1	.5	U	mg/kg	1	.5	U	mg/kg	1
Silver	1.3	U	mg/kg	2	1.4	U	mg/kg	2	1.3	U	mg/kg	2	1.3	U	mg/kg	2
Sodium	137	U	mg/kg	1000	156	U	mg/kg	1000	123	U	mg/kg	1000	138	U	mg/kg	1000
Thallium	.26	U	mg/kg	2	.31	J	mg/kg	2	.25	U	mg/kg	2	.25	U	mg/kg	2
Vanadium	1.5		mg/kg	10	2.6		mg/kg	10	1.7		mg/kg	10	1.3		mg/kg	10
Zinc	1	UJ	mg/kg	4	1.1	UJ	mg/kg	4	1	UJ	mg/kg	4	1.3	UJ	mg/kg	4
Cyanide	.71	U	mg/kg	1	.7	U	mg/kg	1	.62	U	mg/kg	1	.55	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K1007				K1011				K1014				K1010			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS4				CF17SS5				CF17SS6				CF17SS7			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	961	J	mg/kg	40	1040	J	mg/kg	40	1910	J	mg/kg	40	697	J	mg/kg	40
Antimony	4.1	U	mg/kg	12	3.7	U	mg/kg	12	3.6	U	mg/kg	12	4.1	U	mg/kg	12
Arsenic	.55	U	mg/kg	2	.5	U	mg/kg	2	.48	J	mg/kg	2	.54	U	mg/kg	2
Barium	2.8	U	mg/kg	40	2.6	U	mg/kg	40	4.4		mg/kg	40	2	U	mg/kg	40
Beryllium	.27	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1	.28	U	mg/kg	1
Cadmium	.82	U	mg/kg	1	.75	U	mg/kg	1	.71	U	mg/kg	1	.83	U	mg/kg	1
Calcium	170	J	mg/kg	1000	8680	J	mg/kg	1000	5920	J	mg/kg	1000	240	J	mg/kg	1000
Chromium	2.7	U	mg/kg	2	3.8		mg/kg	2	3.8		mg/kg	2	2.8	U	mg/kg	2
Cobalt	1.6	U	mg/kg	10	1.5	U	mg/kg	10	1.4	U	mg/kg	10	1.7	U	mg/kg	10
Copper	.57	U	mg/kg	5	1.7	U	mg/kg	5	.91	U	mg/kg	5	.55	U	mg/kg	5
Iron	414	J	mg/kg	20	293	J	mg/kg	20	505		mg/kg	20	265	J	mg/kg	20
Lead	6.1		mg/kg	1	4.6		mg/kg	1	5.8	J	mg/kg	1	3.1		mg/kg	1
Magnesium	42.1	U	mg/kg	1000	449		mg/kg	1000	111		mg/kg	1000	33.8	U	mg/kg	1000
Manganese	1.7	UJ	mg/kg	3	8.3	J	mg/kg	3	8.2	J	mg/kg	3	1.6	UJ	mg/kg	3
Mercury	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.14	U	mg/kg	.1
Nickel	1.9	U	mg/kg	8	1.7	U	mg/kg	8	1.7	U	mg/kg	8	1.9	U	mg/kg	8
Potassium	31.3	U	mg/kg	1000	28.3	U	mg/kg	1000	42.3	U	mg/kg	1000	35.6	U	mg/kg	1000
Selenium	.55	U	mg/kg	1	.5	U	mg/kg	1	.48	U	mg/kg	1	.54	U	mg/kg	1
Silver	1.4	U	mg/kg	2	1.2	U	mg/kg	2	1.2	U	mg/kg	2	1.4	U	mg/kg	2
Sodium	148	U	mg/kg	1000	130	U	mg/kg	1000	147	U	mg/kg	1000	122	U	mg/kg	1000
Thallium	.28	U	mg/kg	2	.25	U	mg/kg	2	.24	U	mg/kg	2	.27	U	mg/kg	2
Vanadium	2		mg/kg	10	1.7		mg/kg	10	3.8		mg/kg	10	1.3		mg/kg	10
Zinc	1.1	UJ	mg/kg	4	5.2	UJ	mg/kg	4	5.2	UJ	mg/kg	4	1.1	UJ	mg/kg	4
Cyanide	.75	U	mg/kg	1	.58	U	mg/kg	1	.58	U	mg/kg	1	.64	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K1013				K1016				K1012				K1015			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS8				CF17SS9				CF17SS10				CF17SS11			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1120	J	mg/kg	40	3300	J	mg/kg	40	952	J	mg/kg	40	910	J	mg/kg	40
Antimony	4	U	mg/kg	12	5	U	mg/kg	12	3.7	U	mg/kg	12	4.1	U	mg/kg	12
Arsenic	.73	J	mg/kg	2	.66	U	mg/kg	2	.47	U	mg/kg	2	.54	U	mg/kg	2
Barium	6		mg/kg	40	10		mg/kg	40	3.8		mg/kg	40	3.5	U	mg/kg	40
Beryllium	.27	U	mg/kg	1	.33	U	mg/kg	1	.25	U	mg/kg	1	.27	U	mg/kg	1
Cadmium	.81	U	mg/kg	1	.99	U	mg/kg	1	.74	U	mg/kg	1	.82	U	mg/kg	1
Calcium	2360	J	mg/kg	1000	1170	J	mg/kg	1000	1890	J	mg/kg	1000	883	J	mg/kg	1000
Chromium	4.2		mg/kg	2	4.4		mg/kg	2	2.9		mg/kg	2	2.7	U	mg/kg	2
Cobalt	1.6	U	mg/kg	10	2	U	mg/kg	10	1.5	U	mg/kg	10	1.6	U	mg/kg	10
Copper	1.3	U	mg/kg	5	1.5	U	mg/kg	5	.86	U	mg/kg	5	.55	U	mg/kg	5
Iron	613	J	mg/kg	20	1550	J	mg/kg	20	342	J	mg/kg	20	389	J	mg/kg	20
Lead	6.4		mg/kg	1	16.8		mg/kg	1	6.2		mg/kg	1	10.7		mg/kg	1
Magnesium	131		mg/kg	1000	128		mg/kg	1000	70.9		mg/kg	1000	62.5	U	mg/kg	1000
Manganese	30.7	J	mg/kg	3	4.8	UJ	mg/kg	3	6.9	J	mg/kg	3	2.3	UJ	mg/kg	3
Mercury	.13	U	mg/kg	.1	.15	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	1.9	U	mg/kg	8	2.3	U	mg/kg	8	1.7	U	mg/kg	8	1.9	U	mg/kg	8
Potassium	88.6	U	mg/kg	1000	56.1	U	mg/kg	1000	30.8	U	mg/kg	1000	17.3	U	mg/kg	1000
Selenium	.54	U	mg/kg	1	.66	UJ	mg/kg	1	.47	U	mg/kg	1	.54	U	mg/kg	1
Silver	1.3	U	mg/kg	2	1.7	U	mg/kg	2	1.2	U	mg/kg	2	1.4	U	mg/kg	2
Sodium	132	U	mg/kg	1000	150	U	mg/kg	1000	121	U	mg/kg	1000	126	U	mg/kg	1000
Thallium	.27	U	mg/kg	2	.33	U	mg/kg	2	.24	U	mg/kg	2	.27	U	mg/kg	2
Vanadium	2.5		mg/kg	10	4.2		mg/kg	10	1.8		mg/kg	10	2		mg/kg	10
Zinc	4.4	UJ	mg/kg	4	9.5	UJ	mg/kg	4	5.5	UJ	mg/kg	4	1.3	UJ	mg/kg	4
Cyanide	.7	U	mg/kg	1	.89	U	mg/kg	1	.62	U	mg/kg	1	.68	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- METALS AND CYANIDE

Lab Sample Number:	K1018				K1019				K1017				K1020			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS12				CF17SS12D				CF17SS13				CF17SS14			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1330	J	mg/kg	40	1300	J	mg/kg	40	1970	J	mg/kg	40	1330	J	mg/kg	40
Antimony	4	U	mg/kg	12	3.9	U	mg/kg	12	4	U	mg/kg	12	4.1	U	mg/kg	12
Arsenic	.53	U	mg/kg	2	.63	J	mg/kg	2	.55	U	mg/kg	2	.53	U	mg/kg	2
Barium	2.2	U	mg/kg	40	1.6	U	mg/kg	40	6.2		mg/kg	40	2.8	U	mg/kg	40
Beryllium	.27	U	mg/kg	1	.26	U	mg/kg	1	.27	U	mg/kg	1	.27	U	mg/kg	1
Cadmium	.8	U	mg/kg	1	.77	U	mg/kg	1	.8	U	mg/kg	1	.81	U	mg/kg	1
Calcium	917	J	mg/kg	1000	844	J	mg/kg	1000	2840	J	mg/kg	1000	221	J	mg/kg	1000
Chromium	2.9		mg/kg	2	2.6		mg/kg	2	3		mg/kg	2	2.7	U	mg/kg	2
Cobalt	1.6	U	mg/kg	10	1.5	U	mg/kg	10	1.6	U	mg/kg	10	1.6	U	mg/kg	10
Copper	.53	U	mg/kg	5	.52	U	mg/kg	5	.96	U	mg/kg	5	.77	U	mg/kg	5
Iron	408	J	mg/kg	20	380	J	mg/kg	20	855	J	mg/kg	20	322	J	mg/kg	20
Lead	7.3		mg/kg	1	4.5		mg/kg	1	6.6		mg/kg	1	5.2		mg/kg	1
Magnesium	53.1	U	mg/kg	1000	40.8	U	mg/kg	1000	92.5		mg/kg	1000	42.6	U	mg/kg	1000
Manganese	1.8	UJ	mg/kg	3	1.2	UJ	mg/kg	3	7.1	J	mg/kg	3	2.1	UJ	mg/kg	3
Mercury	.13	U	mg/kg	.1	.14	U	mg/kg	.1	.14	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	1.9	U	mg/kg	8	1.8	U	mg/kg	8	1.9	U	mg/kg	8	1.9	U	mg/kg	8
Potassium	8.3	U	mg/kg	1000	8	U	mg/kg	1000	32.7	U	mg/kg	1000	30.9	U	mg/kg	1000
Selenium	.53	U	mg/kg	1	.52	U	mg/kg	1	.55	UJ	mg/kg	1	.53	U	mg/kg	1
Silver	1.3	U	mg/kg	2	1.3	U	mg/kg	2	1.3	U	mg/kg	2	1.4	U	mg/kg	2
Sodium	130	U	mg/kg	1000	128	U	mg/kg	1000	126	U	mg/kg	1000	150	U	mg/kg	1000
Thallium	.26	U	mg/kg	2	.26	U	mg/kg	2	.27	U	mg/kg	2	.27	U	mg/kg	2
Vanadium	2		mg/kg	10	1.7		mg/kg	10	2.7		mg/kg	10	2.5		mg/kg	10
Zinc	1.1	UJ	mg/kg	4	2	UJ	mg/kg	4	6.7	UJ	mg/kg	4	1.1	UJ	mg/kg	4
Cyanide	.67	U	mg/kg	1	.69	U	mg/kg	1	.68	U	mg/kg	1	.66	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0M			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S0MS			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
beta-BHC	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	.62	J	ug/kg	2
delta-BHC	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
gamma-BHC (Lindane)	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	18		ug/kg	2
Heptachlor	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	17		ug/kg	2
Aldrin	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	18		ug/kg	2
Heptachlor epoxide	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
Endosulfan I	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
Dieldrin	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	36		ug/kg	4
4,4-DDE	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	38		ug/kg	4
Endosulfan II	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDD	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endosulfan sulfate	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDT	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	32		ug/kg	4
Methoxychlor	21	U	ug/kg	21	.7	U	ug/kg	.7	22	U	ug/kg	22	22	U	ug/kg	22
Endrin ketone	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin aldehyde	4	U	ug/kg	4	4	U	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
alpha-Chlordane	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
gamma-Chlordane	2.1	U	ug/kg	2.1	2	U	ug/kg	2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2
Toxaphene	210	U	ug/kg	210	200	U	ug/kg	200	220	U	ug/kg	220	220	U	ug/kg	220
Aroclor-1016	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1221	82	U	ug/kg	82	80	U	ug/kg	80	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1232	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1242	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1248	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1254	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1260	40	U	ug/kg	40	40	U	ug/kg	40	42	U	ug/kg	42	42	U	ug/kg	42

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR5S0M				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR5S0MSD				CF17BR5S2				CF17BR6S0				CF17BR6S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
beta-BHC	.54	J	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
delta-BHC	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	18		ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
Heptachlor	15		ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
Aldrin	19		ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
Heptachlor epoxide	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
Endosulfan I	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1
Dieldrin	34		ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
4,4-DDE	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
Endrin	39		ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
Endosulfan II	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
4,4-DDD	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	.7	UJ	ug/kg	.7	.5	U	ug/kg	.5
Endosulfan sulfate	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
4,4-DDT	32		ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
Methoxychlor	22	U	ug/kg	22	20	U	ug/kg	20	20	UJ	ug/kg	20	21	U	ug/kg	21
Endrin ketone	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
Endrin aldehyde	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4
alpha-Chlordane	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	.2	U	ug/kg	.2
gamma-Chlordane	2.2	U	ug/kg	2.2	2	U	ug/kg	2	2	UJ	ug/kg	2	.1	U	ug/kg	.1
Toxaphene	220	U	ug/kg	220	200	U	ug/kg	200	200	UJ	ug/kg	200	210	U	ug/kg	210
Aroclor-1016	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40
Aroclor-1221	85	U	ug/kg	85	79	U	ug/kg	79	80	UJ	ug/kg	80	81	U	ug/kg	81
Aroclor-1232	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40
Aroclor-1242	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40
Aroclor-1248	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40
Aroclor-1254	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40
Aroclor-1260	42	U	ug/kg	42	39	U	ug/kg	39	39	UJ	ug/kg	39	40	U	ug/kg	40

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR7S0			CF17BR7S2			CF17BR7S2R			CF17BR8S0		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR7S0			CF17BR7S2			CF17BR7S2R			CF17BR8S0		
Collect Date:	11-NOV-93			11-NOV-93			11-NOV-93			12-NOV-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
beta-BHC	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
delta-BHC	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
gamma-BHC (Lindane)	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
Heptachlor	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
Aldrin	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
Heptachlor epoxide	2.2 U	ug/kg	2.2	.3 UJ	ug/kg	.3	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
Endosulfan I	2.2 U	ug/kg	2.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
Dieldrin	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
4,4-DDE	.55 J	ug/kg	4	4 UJ	ug/kg	4	.1 U	ug/l	.1	.6 UJ	ug/kg	.6
Endrin	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
Endosulfan II	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
4,4-DDD	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
Endosulfan sulfate	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
4,4-DDT	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
Methoxychlor	22 U	ug/kg	22	21 UJ	ug/kg	21	.5 U	ug/l	.5	1 UJ	ug/kg	1
Endrin ketone	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
Endrin aldehyde	4.2 U	ug/kg	4.2	4 UJ	ug/kg	4	.1 U	ug/l	.1	5.5 UJ	ug/kg	5.5
alpha-Chlordane	.2 U	ug/kg	.2	.1 UJ	ug/kg	.1	.05 U	ug/l	.05	2.8 UJ	ug/kg	2.8
gamma-Chlordane	.2 U	ug/kg	.2	2.1 UJ	ug/kg	2.1	.05 U	ug/l	.05	.4 UJ	ug/kg	.4
Toxaphene	220 U	ug/kg	220	210 UJ	ug/kg	210	5 U	ug/l	5	280 UJ	ug/kg	280
Aroclor-1016	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55
Aroclor-1221	85 U	ug/kg	85	82 UJ	ug/kg	82	2 U	ug/l	2	110 UJ	ug/kg	110
Aroclor-1232	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55
Aroclor-1242	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55
Aroclor-1248	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55
Aroclor-1254	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55
Aroclor-1260	42 U	ug/kg	42	40 UJ	ug/kg	40	1 U	ug/l	1	55 UJ	ug/kg	55

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR8S2				CF17BR9S0				CF17BR9S2				CF17BR10S0			
Collect Date:	12-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
beta-BHC	2.4	U	ug/kg	2.4	2	U	ug/kg	2	.6	U	ug/kg	.6	2.1	UJ	ug/kg	2.1
delta-BHC	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
gamma-BHC (Lindane)	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
Heptachlor	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
Aldrin	2.3	J	ug/kg	2	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
Heptachlor epoxide	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
Endosulfan I	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2.1	UJ	ug/kg	2.1
Dieldrin	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
4,4-DDE	4.7	U	ug/kg	4.7	.44	J	ug/kg	4	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Endrin	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Endosulfan II	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
4,4-DDD	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Endosulfan sulfate	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
4,4-DDT	4.7	U	ug/kg	4.7	.3	U	ug/kg	.3	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Methoxychlor	24	U	ug/kg	24	20	U	ug/kg	20	21	U	ug/kg	21	2	UJ	ug/kg	2
Endrin ketone	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
Endrin aldehyde	4.7	U	ug/kg	4.7	3.8	U	ug/kg	3.8	4	U	ug/kg	4	4.1	UJ	ug/kg	4.1
alpha-Chlordane	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	.2	UJ	ug/kg	.2
gamma-Chlordane	2.4	U	ug/kg	2.4	2	U	ug/kg	2	2.1	U	ug/kg	2.1	.3	UJ	ug/kg	.3
Toxaphene	240	U	ug/kg	240	200	U	ug/kg	200	210	U	ug/kg	210	210	UJ	ug/kg	210
Aroclor-1016	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41
Aroclor-1221	95	U	ug/kg	95	78	U	ug/kg	78	82	U	ug/kg	82	83	UJ	ug/kg	83
Aroclor-1232	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41
Aroclor-1242	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41
Aroclor-1248	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41
Aroclor-1254	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41
Aroclor-1260	47	U	ug/kg	47	38	U	ug/kg	38	40	U	ug/kg	40	41	UJ	ug/kg	41

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R - RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR10S2				CF17BR11S0				CF17BR11S2				CF17BR11S2R			
Collect Date:	11-NOV-93				12-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.1	UJ	ug/kg	2.1	.62	J	ug/kg	2	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
beta-BHC	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	.8	U	ug/kg	.8	.03	U	ug/l	.03
delta-BHC	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
gamma-BHC (Lindane)	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Heptachlor	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Aldrin	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Heptachlor epoxide	.4	UJ	ug/kg	.4	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Endosulfan I	2.1	UJ	ug/kg	2.1	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Dieldrin	.2	UJ	ug/kg	.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
4,4-DDE	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
Endrin	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
Endosulfan II	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
4,4-DDD	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
Endosulfan sulfate	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
4,4-DDT	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
Methoxychlor	21	UJ	ug/kg	21	25	U	ug/kg	25	26	U	ug/kg	26	.5	U	ug/l	.5
Endrin ketone	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
Endrin aldehyde	4.2	UJ	ug/kg	4.2	4.8	U	ug/kg	4.8	5.1	U	ug/kg	5.1	.1	U	ug/l	.1
alpha-Chlordane	.3	UJ	ug/kg	.3	2.5	U	ug/kg	2.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
gamma-Chlordane	2.1	UJ	ug/kg	2.1	.5	U	ug/kg	.5	2.6	U	ug/kg	2.6	.05	U	ug/l	.05
Toxaphene	210	UJ	ug/kg	210	250	U	ug/kg	250	260	U	ug/kg	260	5	U	ug/l	5
Aroclor-1016	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1
Aroclor-1221	85	UJ	ug/kg	85	98	U	ug/kg	98	100	U	ug/kg	100	2	U	ug/l	2
Aroclor-1232	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1
Aroclor-1242	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1
Aroclor-1248	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1
Aroclor-1254	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1
Aroclor-1260	42	UJ	ug/kg	42	48	U	ug/kg	48	51	U	ug/kg	51	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR12S0				CF17BR12S2				CF17BR13S0				CF17BR13S2			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
beta-BHC	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
delta-BHC	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-BHC (Lindane)	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Aldrin	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor epoxide	2.1	U	ug/kg	2.1	.4	UJ	ug/kg	.4	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Endosulfan I	2.1	U	ug/kg	2.1	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Dieldrin	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDE	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
Endrin	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan II	.44	J	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDD	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan sulfate	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDT	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
Methoxychlor	21	U	ug/kg	21	20	UJ	ug/kg	20	3.4	J	ug/kg	21	1.6	J	ug/kg	20
Endrin ketone	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
Endrin aldehyde	4	U	ug/kg	4	4	UJ	ug/kg	4	4	U	ug/kg	4	4	U	ug/kg	4
alpha-Chlordane	.3	U	ug/kg	.3	.3	UJ	ug/kg	.3	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-Chlordane	.3	U	ug/kg	.3	2	UJ	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Toxaphene	210	U	ug/kg	210	200	UJ	ug/kg	200	210	U	ug/kg	210	200	U	ug/kg	200
Aroclor-1016	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1221	81	U	ug/kg	81	80	UJ	ug/kg	80	81	U	ug/kg	81	80	U	ug/kg	80
Aroclor-1232	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1242	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1248	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1254	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1260	40	U	ug/kg	40	40	UJ	ug/kg	40	40	U	ug/kg	40	40	U	ug/kg	40

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	F17BR14S0				F17BR14S0M				F17BR14S0M				CF17BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S0				CF17BR14S0MS				CF17BR14S0MSD				CF17BR14S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
beta-BHC	.6	UJ	ug/kg	.6	2.2	U	ug/kg	2.2	.63	J	ug/kg	2	.6	U	ug/kg	.6
delta-BHC	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
gamma-BHC (Lindane)	2.2	UJ	ug/kg	2.2	21		ug/kg	2	15		ug/kg	2	2	U	ug/kg	2
Heptachlor	2.2	UJ	ug/kg	2.2	18		ug/kg	2	13		ug/kg	2	2	U	ug/kg	2
Aldrin	2.2	UJ	ug/kg	2.2	18		ug/kg	2	13		ug/kg	2	.4	U	ug/kg	.4
Heptachlor epoxide	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
Endosulfan I	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
Dieldrin	4.2	UJ	ug/kg	4.2	41		ug/kg	4	30		ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDE	4.2	UJ	ug/kg	4.2	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9
Endrin	4.2	UJ	ug/kg	4.2	44		ug/kg	4	33		ug/kg	4	3.9	U	ug/kg	3.9
Endosulfan II	4.2	UJ	ug/kg	4.2	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9
4,4-DDD	4.2	UJ	ug/kg	4.2	.33	J	ug/kg	4	.24	J	ug/kg	4	3.9	U	ug/kg	3.9
Endosulfan sulfate	4.2	UJ	ug/kg	4.2	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9
4,4-DDT	4.2	UJ	ug/kg	4.2	43		ug/kg	4	32		ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	2	UJ	ug/kg	2	22	U	ug/kg	22	22	U	ug/kg	22	20	U	ug/kg	20
Endrin ketone	4.2	UJ	ug/kg	4.2	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9
Endrin aldehyde	4.2	UJ	ug/kg	4.2	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2	3.9	U	ug/kg	3.9
alpha-Chlordane	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
gamma-Chlordane	2.2	UJ	ug/kg	2.2	.16	J	ug/kg	2	2.2	U	ug/kg	2.2	2	U	ug/kg	2
Toxaphene	220	UJ	ug/kg	220	220	U	ug/kg	220	220	U	ug/kg	220	200	U	ug/kg	200
Aroclor-1016	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39
Aroclor-1221	86	UJ	ug/kg	86	86	U	ug/kg	86	86	U	ug/kg	86	80	U	ug/kg	80
Aroclor-1232	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39
Aroclor-1242	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39
Aroclor-1248	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39
Aroclor-1254	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39
Aroclor-1260	42	UJ	ug/kg	42	42	U	ug/kg	42	42	U	ug/kg	42	39	U	ug/kg	39

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR14S2				CF17BR15S0				CF17BR15S0				CF17BR15S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S2D				CF17BR15S0				CF17BR15S0D				CF17BR15S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
beta-BHC	.6	U	ug/kg	.6	2.1	UJ	ug/kg	2.1	.6	U	ug/kg	.6	.7	U	ug/kg	.7
delta-BHC	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Heptachlor	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Aldrin	.5	U	ug/kg	.5	2.1	UJ	ug/kg	2.1	.5	U	ug/kg	.5	.4	U	ug/kg	.4
Heptachlor epoxide	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Endosulfan I	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Dieldrin	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
4,4-DDE	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
Endrin	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
Endosulfan II	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
4,4-DDD	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
Endosulfan sulfate	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
4,4-DDT	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
Methoxychlor	20	U	ug/kg	20	21	UJ	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Endrin ketone	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
Endrin aldehyde	4	U	ug/kg	4	4.2	UJ	ug/kg	4.2	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2
alpha-Chlordane	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
gamma-Chlordane	2	U	ug/kg	2	2.1	UJ	ug/kg	2.1	2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1
Toxaphene	200	U	ug/kg	200	210	UJ	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
Aroclor-1016	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Aroclor-1221	80	U	ug/kg	80	85	UJ	ug/kg	85	82	U	ug/kg	82	85	U	ug/kg	85
Aroclor-1232	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Aroclor-1242	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Aroclor-1248	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Aroclor-1254	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Aroclor-1260	40	U	ug/kg	40	42	UJ	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42

U = NOT DETECTED J = ESTIMATED VALUE
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R SULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2			
Locator	CF17BR15S2D				CF17BR15S2DR			
Collect Date:	15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
beta-BHC	.6	UJ	ug/kg	.6	.05	U	ug/l	.05
delta-BHC	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
gamma-BHC (Lindane)	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
Heptachlor	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
Aldrin	.3	UJ	ug/kg	.3	.05	U	ug/l	.05
Heptachlor epoxide	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
Endosulfan I	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
Dieldrin	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDE	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
Endrin	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
Endosulfan II	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDD	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
Endosulfan sulfate	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
4,4-DDT	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
Methoxychlor	22	UJ	ug/kg	22	.5	U	ug/l	.5
Endrin ketone	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
Endrin aldehyde	4.2	UJ	ug/kg	4.2	.1	U	ug/l	.1
alpha-Chlordane	2.2	UJ	ug/kg	2.2	.05	U	ug/l	.05
gamma-Chlordane	.2	UJ	ug/kg	.2	.05	U	ug/l	.05
Toxaphene	220	UJ	ug/kg	220	5	U	ug/l	5
Aroclor-1016	42	UJ	ug/kg	42	1	U	ug/l	1
Aroclor-1221	85	UJ	ug/kg	85	2	U	ug/l	2
Aroclor-1232	42	UJ	ug/kg	42	1	U	ug/l	1
Aroclor-1242	42	UJ	ug/kg	42	1	U	ug/l	1
Aroclor-1248	42	UJ	ug/kg	42	1	U	ug/l	1
Aroclor-1254	42	UJ	ug/kg	42	1	U	ug/l	1
Aroclor-1260	42	UJ	ug/kg	42	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S2			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1320		mg/kg	40	1060		mg/kg	40	1730		mg/kg	40	1350		mg/kg	40
Antimony	2.9	U	mg/kg	12	2.8	U	mg/kg	12	3	U	mg/kg	12	2.8	U	mg/kg	12
Arsenic	.48	UJ	mg/kg	2	.48	UJ	mg/kg	2	.51	UJ	mg/kg	2	.47	UJ	mg/kg	2
Barium	3	U	mg/kg	40	1.6	U	mg/kg	40	2.3	U	mg/kg	40	2.5	U	mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.72	U	mg/kg	1	.71	U	mg/kg	1	.75	U	mg/kg	1	.71	U	mg/kg	1
Calcium	38000		mg/kg	1000	292		mg/kg	1000	185		mg/kg	1000	107		mg/kg	1000
Chromium	1.2	UJ	mg/kg	2	1.2	UJ	mg/kg	2	1.2	UJ	mg/kg	2	3.2	J	mg/kg	2
Cobalt	.96	U	mg/kg	10	.95	U	mg/kg	10	1	U	mg/kg	10	.95	U	mg/kg	10
Copper	.48	U	mg/kg	5	.47	U	mg/kg	5	1.1	U	mg/kg	5	.47	U	mg/kg	5
Iron	279		mg/kg	20	162		mg/kg	20	198		mg/kg	20	140		mg/kg	20
Lead	2.3		mg/kg	1	.89		mg/kg	1	1.7		mg/kg	1	.74		mg/kg	1
Magnesium	2890		mg/kg	1000	28.9	UJ	mg/kg	1000	33.4	UJ	mg/kg	1000	36.6	UJ	mg/kg	1000
Manganese	6.7	J	mg/kg	3	1	U	mg/kg	3	1.6	U	mg/kg	3	1.1	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.96	U	mg/kg	8	.95	U	mg/kg	8	1.2	U	mg/kg	8	.95	U	mg/kg	8
Potassium	31.9	UJ	mg/kg	1000	23.6	UJ	mg/kg	1000	35.3	UJ	mg/kg	1000	8.8	UJ	mg/kg	1000
Selenium	.48	UJ	mg/kg	1	.48	UJ	mg/kg	1	.51	UJ	mg/kg	1	.47	UJ	mg/kg	1
Silver	.72	U	mg/kg	2	.71	U	mg/kg	2	.75	U	mg/kg	2	.71	U	mg/kg	2
Sodium	198		mg/kg	1000	148		mg/kg	1000	187		mg/kg	1000	146		mg/kg	1000
Thallium	.24		mg/kg	2	.24	U	mg/kg	2	.26	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	1.5		mg/kg	10	.99		mg/kg	10	1.5		mg/kg	10	1	J	mg/kg	10
Zinc	4.8	UJ	mg/kg	4	6.8	UJ	mg/kg	4	11.7	UJ	mg/kg	4	3.3	U	mg/kg	4
Cyanide	.6	U	mg/kg	1	.6	U	mg/kg	1	.63	U	mg/kg	1	.59	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR6S0				CF17BR6S2				CF17BR7S0				CF17BR7S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR6S0				CF17BR6S2				CF17BR7S0				CF17BR7S2			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1070		mg/kg	40	987		mg/kg	40	564		mg/kg	40	928		mg/kg	40
Antimony	2.9	U	mg/kg	12	2.9	U	mg/kg	12	3	U	mg/kg	12	2.9	U	mg/kg	12
Arsenic	.47	UJ	mg/kg	2	.48	UJ	mg/kg	2	.5	UJ	mg/kg	2	.49	UJ	mg/kg	2
Barium	2.7	U	mg/kg	40	3.5		mg/kg	40	1.6	J	mg/kg	40	1.6	U	mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.72	U	mg/kg	1	.72	U	mg/kg	1	.75	U	mg/kg	1	.72	U	mg/kg	1
Calcium	1150		mg/kg	1000	503		mg/kg	1000	1130		mg/kg	1000	653		mg/kg	1000
Chromium	2.6	J	mg/kg	2	2.5	J	mg/kg	2	1.2	UJ	mg/kg	2	6.6	J	mg/kg	2
Cobalt	.96	U	mg/kg	10	.96	U	mg/kg	10	.99	U	mg/kg	10	.95	U	mg/kg	10
Copper	3.8	U	mg/kg	5	4.6		mg/kg	5	1.2	U	mg/kg	5	.77	U	mg/kg	5
Iron	180		mg/kg	20	167		mg/kg	20	116		mg/kg	20	120		mg/kg	20
Lead	4.7		mg/kg	1	2.5		mg/kg	1	9.9		mg/kg	1	20.1		mg/kg	1
Magnesium	60.2	UJ	mg/kg	1000	89		mg/kg	1000	38.5	UJ	mg/kg	1000	42.2	UJ	mg/kg	1000
Manganese	2.4	U	mg/kg	3	5.6	J	mg/kg	3	12.6	J	mg/kg	3	29.5	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.1	U	mg/kg	8	3.5	U	mg/kg	8	.99	U	mg/kg	8	.95	U	mg/kg	8
Potassium	6.4	UJ	mg/kg	1000	14.2	UJ	mg/kg	1000	9.2	UJ	mg/kg	1000	19.1	UJ	mg/kg	1000
Selenium	.47	UJ	mg/kg	1	.48	UJ	mg/kg	1	.5	UJ	mg/kg	1	.49	UJ	mg/kg	1
Silver	.72	U	mg/kg	2	.72	U	mg/kg	2	.75	U	mg/kg	2	.72	U	mg/kg	2
Sodium	131		mg/kg	1000	158		mg/kg	1000	160		mg/kg	1000	153		mg/kg	1000
Thallium	.23	U	mg/kg	2	.24	U	mg/kg	2	.25		mg/kg	2	.27		mg/kg	2
Vanadium	.85	J	mg/kg	10	.74		mg/kg	10	1		mg/kg	10	.95		mg/kg	10
Zinc	4.9	UJ	mg/kg	4	20.7	J	mg/kg	4	9.5	UJ	mg/kg	4	6.4	UJ	mg/kg	4
Cyanide	1.4		mg/kg	1	.6	U	mg/kg	1	.63	U	mg/kg	1	.6	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR7S2R				CF17BR8S0				CF17BR8S2				CF17BR9S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR7S2R				CF17BR8S0				CF17BR8S2				CF17BR9S0			
Collect Date:	11-NOV-93				12-NOV-93				12-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	27.7		ug/l	200	5050		mg/kg	40	4430		mg/kg	40	1440		mg/kg	40
Antimony	12	U	ug/l	60	4.1	U	mg/kg	12	3.4	U	mg/kg	12	2.9	U	mg/kg	12
Arsenic	2	UJ	ug/l	10	.68	UJ	mg/kg	2	.57	UJ	mg/kg	2	.48	UJ	mg/kg	2
Barium	1	U	ug/l	200	9.5		mg/kg	40	5.4		mg/kg	40	2.4	U	mg/kg	40
Beryllium	1	U	ug/l	5	.34	U	mg/kg	1	.29	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	3	U	ug/l	5	1	U	mg/kg	1	.86	U	mg/kg	1	.72	U	mg/kg	1
Calcium	9	U	ug/l	5000	1430		mg/kg	1000	247		mg/kg	1000	7530		mg/kg	1000
Chromium	5	U	ug/l	10	4.8	J	mg/kg	2	3.5	J	mg/kg	2	3.1	J	mg/kg	2
Cobalt	4	U	ug/l	50	1.4	U	mg/kg	10	1.1	U	mg/kg	10	.95	U	mg/kg	10
Copper	2	U	ug/l	25	1.9	U	mg/kg	5	2	U	mg/kg	5	.54	U	mg/kg	5
Iron	4	U	ug/l	100	699		mg/kg	20	208		mg/kg	20	198		mg/kg	20
Lead	1	U	ug/l	3	10.2		mg/kg	1	2.3		mg/kg	1	2	J	mg/kg	1
Magnesium	10	U	ug/l	5000	134		mg/kg	1000	55.2	UJ	mg/kg	1000	75.2		mg/kg	1000
Manganese	2	U	ug/l	15	8.1	J	mg/kg	3	2	U	mg/kg	3	4.1	J	mg/kg	3
Mercury	.2	U	ug/l	.2	.17	U	mg/kg	.1	.14	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	4	U	ug/l	40	1.4	U	mg/kg	8	1.1	U	mg/kg	8	.95	U	mg/kg	8
Potassium	23	U	ug/l	5000	44.2	UJ	mg/kg	1000	14.2	UJ	mg/kg	1000	11.9	UJ	mg/kg	1000
Selenium	2	UJ	ug/l	5	.68	UJ	mg/kg	1	.57	UJ	mg/kg	1	.48	UJ	mg/kg	1
Silver	3	U	ug/l	10	1	U	mg/kg	2	.86	U	mg/kg	2	.72	U	mg/kg	2
Sodium	55.4		ug/l	5000	252		mg/kg	1000	220		mg/kg	1000	149		mg/kg	1000
Thallium	1	U	ug/l	10	.34	U	mg/kg	2	.28	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	2	U	ug/l	50	3.5		mg/kg	10	1.6		mg/kg	10	1.6		mg/kg	10
Zinc	9.8	J	ug/l	20	12.2	UJ	mg/kg	4	6.6		mg/kg	4	8.6	UJ	mg/kg	4
Cyanide	6.6	U	ug/l	10	.83	U	mg/kg	1	.72	U	mg/kg	1	.58	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR9S2				CF17BR10S0				CF17BR10S2				CF17BR11S0			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR9S2				CF17BR10S0				CF17BR10S2				CF17BR11S0			
Collect Date:	11-NOV-93				11-NOV-93				11-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1170		mg/kg	40	776		mg/kg	40	806		mg/kg	40	2460		mg/kg	40
Antimony	3	U	mg/kg	12	2.9	U	mg/kg	12	3.1	U	mg/kg	12	5.9	U	mg/kg	12
Arsenic	.49	UJ	mg/kg	2	.5	UJ	mg/kg	2	.5	UJ	mg/kg	2	.6	UJ	mg/kg	2
Barium	.95	U	mg/kg	40	4.6		mg/kg	40	3.4	U	mg/kg	40	9.7		mg/kg	40
Beryllium	.25	U	mg/kg	1	.25	U	mg/kg	1	.26	U	mg/kg	1	.88	U	mg/kg	1
Cadmium	.74	U	mg/kg	1	.74	U	mg/kg	1	.77	U	mg/kg	1	1.2	U	mg/kg	1
Calcium	741		mg/kg	1000	924		mg/kg	1000	318		mg/kg	1000	2100		mg/kg	1000
Chromium	5	J	mg/kg	2	8.5	J	mg/kg	2	7.2	J	mg/kg	2	4.1	U	mg/kg	2
Cobalt	.99	U	mg/kg	10	.98	U	mg/kg	10	1	U	mg/kg	10	3.8	U	mg/kg	10
Copper	.5	U	mg/kg	5	1.9	J	mg/kg	5	.98	U	mg/kg	5	2.3	U	mg/kg	5
Iron	92.6		mg/kg	20	169		mg/kg	20	128		mg/kg	20	750		mg/kg	20
Lead	.91	J	mg/kg	1	9.3		mg/kg	1	20.9		mg/kg	1	15.2		mg/kg	1
Magnesium	26.6	UJ	mg/kg	1000	23.2	UJ	mg/kg	1000	22.9	UJ	mg/kg	1000	112	U	mg/kg	1000
Manganese	1.2	U	mg/kg	3	112	J	mg/kg	3	77.9	J	mg/kg	3	4.7	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.16	U	mg/kg	.1
Nickel	2.6	U	mg/kg	8	.98	U	mg/kg	8	1	U	mg/kg	8	3.2	U	mg/kg	8
Potassium	5.7	UJ	mg/kg	1000	5.6	UJ	mg/kg	1000	11.7	UJ	mg/kg	1000	60.7	U	mg/kg	1000
Selenium	.49	UJ	mg/kg	1	.5	UJ	mg/kg	1	.5	UJ	mg/kg	1	.6	UJ	mg/kg	1
Silver	.74	U	mg/kg	2	.74	U	mg/kg	2	.77	U	mg/kg	2	.59	U	mg/kg	2
Sodium	170		mg/kg	1000	155		mg/kg	1000	169		mg/kg	1000	202		mg/kg	1000
Thallium	.25	U	mg/kg	2	.25	U	mg/kg	2	.25	U	mg/kg	2	.42	J	mg/kg	2
Vanadium	.62		mg/kg	10	.49	U	mg/kg	10	.82		mg/kg	10	2.4	U	mg/kg	10
Zinc	3.7	UJ	mg/kg	4	11.3	U	mg/kg	4	7.4	UJ	mg/kg	4	1.4	J	mg/kg	4
Cyanide	.61	U	mg/kg	1	.62	U	mg/kg	1	.63	U	mg/kg	1	.73	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR11S2				CF17BR11S2				CF17BR12S0				CF17BR12S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR11S2				CF17BR11S2R				CF17BR12S0				CF17BR12S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	5140		mg/kg	40	46.5	U	ug/l	200	820		mg/kg	40	876		mg/kg	40
Antimony	6.3	U	mg/kg	12	20	U	ug/l	60	2.9	U	mg/kg	12	2.9	U	mg/kg	12
Arsenic	.61	UJ	mg/kg	2	2	U	ug/l	10	.49	UJ	mg/kg	2	.49	UJ	mg/kg	2
Barium	7.9		mg/kg	40	2	U	ug/l	200	2.8	U	mg/kg	40	1.7	U	mg/kg	40
Beryllium	.94	U	mg/kg	1	3	U	ug/l	5	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	1.3	U	mg/kg	1	4	U	ug/l	5	.73	U	mg/kg	1	.73	U	mg/kg	1
Calcium	752		mg/kg	1000	49.7	U	ug/l	5000	53000		mg/kg	1000	414		mg/kg	1000
Chromium	6.5	U	mg/kg	2	5	U	ug/l	10	1.2	UJ	mg/kg	2	5	J	mg/kg	2
Cobalt	4.1	U	mg/kg	10	13	U	ug/l	50	.97	U	mg/kg	10	.98	U	mg/kg	10
Copper	1.2	U	mg/kg	5	2	U	ug/l	25	.96	U	mg/kg	5	.59	U	mg/kg	5
Iron	451		mg/kg	20	35.6	U	ug/l	100	177		mg/kg	20	128		mg/kg	20
Lead	4.3	J	mg/kg	1	1	UJ	ug/l	3	7.1		mg/kg	1	7.4		mg/kg	1
Magnesium	125	U	mg/kg	1000	21.4	U	ug/l	5000	345		mg/kg	1000	25.1	UJ	mg/kg	1000
Manganese	3	U	mg/kg	3	2	U	ug/l	15	4.9	J	mg/kg	3	14.9	J	mg/kg	3
Mercury	.15	U	mg/kg	.1	.2	U	ug/l	.2	.11	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	3.4	U	mg/kg	8	11	U	ug/l	40	.97	U	mg/kg	8	.98	U	mg/kg	8
Potassium	69.1	U	mg/kg	1000	37.9	U	ug/l	5000	21.7	UJ	mg/kg	1000	5.7	UJ	mg/kg	1000
Selenium	.61	UJ	mg/kg	1	2	UJ	ug/l	5	.49	UJ	mg/kg	1	.49	UJ	mg/kg	1
Silver	.63	U	mg/kg	2	2	U	ug/l	10	.73	U	mg/kg	2	.73	U	mg/kg	2
Sodium	233		mg/kg	1000	132	U	ug/l	5000	146		mg/kg	1000	161		mg/kg	1000
Thallium	.43	J	mg/kg	2	1	U	ug/l	10	.24	U	mg/kg	2	.24	U	mg/kg	2
Vanadium	2.7	U	mg/kg	10	2	U	ug/l	50	1.3		mg/kg	10	.49	U	mg/kg	10
Zinc	2.3	J	mg/kg	4	3	UJ	ug/l	20	5	UJ	mg/kg	4	7	UJ	mg/kg	4
Cyanide	.77	U	mg/kg	1	5	U	ug/l	10	.6	U	mg/kg	1	.6	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR13S0				CF17BR13S2				CF17BR14S0				CF17BR14S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR13S0				CF17BR13S2				CF17BR14S0				CF17BR14S2			
Collect Date:	11-NOV-93				11-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	994		mg/kg	40	2270		mg/kg	40	2210		mg/kg	40	2640		mg/kg	40
Antimony	2.9	U	mg/kg	12	2.8	U	mg/kg	12	5.1	U	mg/kg	12	4.7	U	mg/kg	12
Arsenic	.49	UJ	mg/kg	2	.47	UJ	mg/kg	2	.5	UJ	mg/kg	2	.47	UJ	mg/kg	2
Barium	1.1	U	mg/kg	40	1.7	U	mg/kg	40	4.6	U	mg/kg	40	3.2	U	mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.76	U	mg/kg	1	.7	U	mg/kg	1
Cadmium	.73	U	mg/kg	1	.71	U	mg/kg	1	1	U	mg/kg	1	.93	U	mg/kg	1
Calcium	222		mg/kg	1000	121		mg/kg	1000	1620		mg/kg	1000	266		mg/kg	1000
Chromium	2.7	J	mg/kg	2	3.9	J	mg/kg	2	3.6	U	mg/kg	2	4.9	U	mg/kg	2
Cobalt	.97	U	mg/kg	10	.95	U	mg/kg	10	3.3	U	mg/kg	10	3	U	mg/kg	10
Copper	.49	U	mg/kg	5	.47	U	mg/kg	5	1.6	U	mg/kg	5	.88	U	mg/kg	5
Iron	176		mg/kg	20	207		mg/kg	20	380		mg/kg	20	194		mg/kg	20
Lead	2.3		mg/kg	1	2		mg/kg	1	3	J	mg/kg	1	2	J	mg/kg	1
Magnesium	12.2	UJ	mg/kg	1000	32.4	UJ	mg/kg	1000	85.3	U	mg/kg	1000	60.4	U	mg/kg	1000
Manganese	.56	U	mg/kg	3	1.1	U	mg/kg	3	2.8	U	mg/kg	3	1.5	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.97	U	mg/kg	8	.95	U	mg/kg	8	2.8	U	mg/kg	8	2.6	U	mg/kg	8
Potassium	5.6	UJ	mg/kg	1000	11.7	UJ	mg/kg	1000	49.3	U	mg/kg	1000	42.4	U	mg/kg	1000
Selenium	.49	UJ	mg/kg	1	.47	UJ	mg/kg	1	.5	UJ	mg/kg	1	.47	UJ	mg/kg	1
Silver	.73	U	mg/kg	2	.71	U	mg/kg	2	.51	U	mg/kg	2	.47	U	mg/kg	2
Sodium	164		mg/kg	1000	167		mg/kg	1000	210		mg/kg	1000	152		mg/kg	1000
Thallium	.24	U	mg/kg	2	.24	U	mg/kg	2	.28	J	mg/kg	2	.23		mg/kg	2
Vanadium	.54	J	mg/kg	10	1.4		mg/kg	10	1.9	U	mg/kg	10	1	U	mg/kg	10
Zinc	3.6	UJ	mg/kg	4	5.5	UJ	mg/kg	4	6.8	J	mg/kg	4	.7	UJ	mg/kg	4
Cyanide	.6	U	mg/kg	1	.6	U	mg/kg	1	.63	U	mg/kg	1	.59	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR14S2				CF17BR15S0				CF17BR15S0				CF17BR15S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR14S2D				CF17BR15S0				CF17BR15S0D				CF17BR15S2			
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3170		mg/kg	40	1500		mg/kg	40	1820		mg/kg	40	2190		mg/kg	40
Antimony	4.7	U	mg/kg	12	5.1	U	mg/kg	12	4.9	U	mg/kg	12	5	U	mg/kg	12
Arsenic	.49	UJ	mg/kg	2	.5	UJ	mg/kg	2	.49	UJ	mg/kg	2	.5	UJ	mg/kg	2
Barium	3.7	U	mg/kg	40	2.2	U	mg/kg	40	2.3	U	mg/kg	40	2.3	U	mg/kg	40
Beryllium	.71	U	mg/kg	1	.76	U	mg/kg	1	.74	U	mg/kg	1	.75	U	mg/kg	1
Cadmium	.95	U	mg/kg	1	1	U	mg/kg	1	.98	U	mg/kg	1	1	U	mg/kg	1
Calcium	309		mg/kg	1000	291		mg/kg	1000	223		mg/kg	1000	183	U	mg/kg	1000
Chromium	6.6		mg/kg	2	3.2	U	mg/kg	2	3.7	U	mg/kg	2	3	U	mg/kg	2
Cobalt	3.1	U	mg/kg	10	3.3	U	mg/kg	10	3.2	U	mg/kg	10	3.2	U	mg/kg	10
Copper	1.1	U	mg/kg	5	.89	U	mg/kg	5	.75	U	mg/kg	5	.8	U	mg/kg	5
Iron	243		mg/kg	20	223		mg/kg	20	242		mg/kg	20	240		mg/kg	20
Lead	1.9	J	mg/kg	1	1.6	J	mg/kg	1	1.6	J	mg/kg	1	1.6	J	mg/kg	1
Magnesium	78.4	U	mg/kg	1000	54.2	U	mg/kg	1000	56.3	U	mg/kg	1000	58.5	U	mg/kg	1000
Manganese	1.7	U	mg/kg	3	1.5	U	mg/kg	3	1.5	U	mg/kg	3	1.3	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	2.7	U	mg/kg	8	2.8	U	mg/kg	8	2.7	U	mg/kg	8	2.7	U	mg/kg	8
Potassium	51.1	U	mg/kg	1000	34.2	U	mg/kg	1000	37.6	U	mg/kg	1000	39.9	U	mg/kg	1000
Selenium	.49	UJ	mg/kg	1	.5	UJ	mg/kg	1	.49	UJ	mg/kg	1	.5	UJ	mg/kg	1
Silver	.47	U	mg/kg	2	.51	U	mg/kg	2	.49	U	mg/kg	2	.5	U	mg/kg	2
Sodium	152		mg/kg	1000	165		mg/kg	1000	222		mg/kg	1000	285		mg/kg	1000
Thallium	.25	U	mg/kg	2	.25	U	mg/kg	2	.24	U	mg/kg	2	.25	U	mg/kg	2
Vanadium	1.5	U	mg/kg	10	1.4	U	mg/kg	10	1.2	U	mg/kg	10	1.2	U	mg/kg	10
Zinc	.71	UJ	mg/kg	4	.76	UJ	mg/kg	4	.74	UJ	mg/kg	4	.75	UJ	mg/kg	4
Cyanide	.6	U	mg/kg	1	.62	U	mg/kg	1	.61	U	mg/kg	1	.63	U	mg/kg	1

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R ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	CF17BR15S2				CF17BR15S2			
Site	CECIL2				CECIL2			
Locator	CF17BR15S2D				CF17BR15S2DR			
Collect Date:	15-NOV-93				15-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	2260		mg/kg	40	51.2	U	ug/l	200
Antimony	5.1	U	mg/kg	12	20	U	ug/l	60
Arsenic	.49	UJ	mg/kg	2	2	U	ug/l	10
Barium	2.5	U	mg/kg	40	2	U	ug/l	200
Beryllium	.77	U	mg/kg	1	3	U	ug/l	5
Cadmium	1	U	mg/kg	1	4	U	ug/l	5
Calcium	204		mg/kg	1000	39.2	U	ug/l	5000
Chromium	3.9	U	mg/kg	2	5	U	ug/l	10
Cobalt	3.3	U	mg/kg	10	13	U	ug/l	50
Copper	.75	U	mg/kg	5	2.7	U	ug/l	25
Iron	315		mg/kg	20	29	U	ug/l	100
Lead	2.3	J	mg/kg	1	1	U	ug/l	3
Magnesium	75.3	U	mg/kg	1000	20	U	ug/l	5000
Manganese	1.6	U	mg/kg	3	2	U	ug/l	15
Mercury	.12	U	mg/kg	.1	.2	U	ug/l	.2
Nickel	2.8	U	mg/kg	8	11	U	ug/l	40
Potassium	63.2	U	mg/kg	1000	37.9	U	ug/l	5000
Selenium	.49	UJ	mg/kg	1	2	UJ	ug/l	5
Silver	.51	U	mg/kg	2	2	U	ug/l	10
Sodium	326		mg/kg	1000	74.4	U	ug/l	5000
Thallium	.25	U	mg/kg	2	1	U	ug/l	10
Vanadium	1.2	U	mg/kg	10	2	U	ug/l	50
Zinc	1.7	J	mg/kg	4	3	UJ	ug/l	20
Cyanide	.62	U	mg/kg	1	5	U	ug/l	10

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SITE 17 GROUNDWATER DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J1888				J1896				J0377				J0378			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1				CF17MW1T				CF17MW4S				CF17MW5S			
Collect Date:	10-JAN-94				10-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	4	U	ug/l	4
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	4	U	ug/l	4
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	4	U	ug/l	4
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	4	U	ug/l	4
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Acetone	8	U	ug/l	8	5		ug/l	2	2	U	ug/l	2	4	U	ug/l	4
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	12		ug/l	2	10		ug/l	4
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	4	U	ug/l	4
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	50		ug/l	4
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Benzene	1	U	ug/l	1	1	U	ug/l	1	5	J	ug/l	2	9	J	ug/l	4
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	3	J	ug/l	2	4	R	ug/l	4
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2	4	R	ug/l	4
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Toluene	1	U	ug/l	1	1	U	ug/l	1	4	J	ug/l	2	19	J	ug/l	4
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	3		ug/l	2	4		ug/l	4
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	19		ug/l	2	14		ug/l	4

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J0379				J0618				J0619				J0620			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW5SR				CF17MW6S				CF17MW6SD				CF17MW6ST			
Collect Date:	03-JAN-94				04-JAN-94				04-JAN-94				04-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	2		ug/l	2	2		ug/l	2	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	12		ug/l	2	11		ug/l	2	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	24	J	ug/l	2	22	J	ug/l	2	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	R	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	14	J	ug/l	2	12	J	ug/l	2	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	7		ug/l	2	6		ug/l	2	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	22		ug/l	2	20		ug/l	2	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW7D				CF17MW7DMS				CF17MW7DMS				CF17MW8S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW7D				CF17MW7DMS				CF17MW7DMSD				CF17MW8S			
Collect Date:	30-DEC-93				30-DEC-93				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	9		ug/l	2	9		ug/l	2	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	10		ug/l	2	10		ug/l	2	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	10		ug/l	2	10		ug/l	2	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2
2-Hexanone	2	R	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	10		ug/l	2	10		ug/l	2	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	10		ug/l	2	10		ug/l	2	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J0123				J0376				J0380				CF17MW100			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW8ST				CF17MW9S				CF17MW9ST				CF17MW100			
Collect Date:	30-DEC-93				03-JAN-94				03-JAN-94				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]LT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW11I				CF17MW11IR				CF17MW12D				CF17MW13S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW11I				CF17MW11IR				CF17MW12D				CF17MW13S			
Collect Date:	29-DEC-93				29-DEC-93				29-DEC-93				28-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW14I				CF17MW14IT				CF17MW15D				CF17MW16S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW14I				CF17MW14IT				CF17MW15D				CF17MW16S			
Collect Date:	29-DEC-93				29-DEC-93				29-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]ILT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW16ST				CF17MW17I				CF17MW18D				CF17MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW16ST				CF17MW17I				CF17MW18D				CF17MW18DR			
Collect Date:	27-DEC-93				27-DEC-93				27-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW19S				CF17MW19ST				CF17MW20I				CF17MW20ID			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW19S				CF17MW19ST				CF17MW20I				CF17MW20ID			
Collect Date:	28-DEC-93				28-DEC-93				28-DEC-93				28-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J1889				J1890				CF17MW23S				J2134			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW21I				CF17MW22D				CF17MW23S				CF17MW24S			
Collect Date:	10-JAN-94				10-JAN-94				29-DEC-93				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	20000	J	ug/l	620
Acetone	8	U	ug/l	8	11	U	ug/l	11	2	U	ug/l	2	1700	U	ug/l	1700
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	1200	U	ug/l	1200
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2	1200	U	ug/l	1200
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Toluene	1	U	ug/l	1	1	U	ug/l	1	15		ug/l	2	620	U	ug/l	620
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	620	U	ug/l	620

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J2136				J2146				J2143				CF17MW25SI			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW24SD				CF17MW24ST				CF17MW25SI				CF17MW25SIMS			
Collect Date:	11-JAN-94				11-JAN-94				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW																
Chloromethane	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	28000	J	ug/l	710	1	U	ug/l	1	2		ug/l	2	2		ug/l	2
Acetone	1800	U	ug/l	1800	8		ug/l	2	2	U	ug/l	2	13		ug/l	2
Carbon disulfide	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
1,1-Dichloroethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	730		ug/l	1400	1	U	ug/l	1	1	U	ug/l	1	1		ug/l	2
Carbon tetrachloride	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
Dibromochloromethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
trans-1,3-Dichloropropene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	1400	U	ug/l	1400	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	1400	U	ug/l	1400	2	U	ug/l	2	2	R	ug/l	2	2	U	ug/l	2
Tetrachloroethene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
1,1,2,2-Tetrachloroethane	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2
Ethylbenzene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	710	U	ug/l	710	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = 'LT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J1890				CF17MW23S				J2134				J2136			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW22D				CF17MW23S				CF17MW24S				CF17MW24SD			
Collect Date:	10-JAN-94				29-DEC-93				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	10100		ug/l	200	201000		ug/l	200	29500		ug/l	200	23500		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	15.4		ug/l	10	2	U	ug/l	10	3.7		ug/l	10	4.8		ug/l	10
Barium	96.5		ug/l	200	253		ug/l	200	50.4		ug/l	200	61.9		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	48300		ug/l	5000	3620		ug/l	5000	46200		ug/l	5000	46100		ug/l	5000
Chromium	16.3		ug/l	10	170		ug/l	10	56.4	J	ug/l	10	42.6	J	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	6.5	U	ug/l	25	25.3		ug/l	25	16.8	U	ug/l	25	15	U	ug/l	25
Iron	3080	J	ug/l	100	14700	J	ug/l	100	5520	J	ug/l	100	4960	J	ug/l	100
Lead	2.1	J	ug/l	3	30.7		ug/l	3	28		ug/l	3	27.7		ug/l	3
Magnesium	2190		ug/l	5000	3850		ug/l	5000	3670		ug/l	5000	3640		ug/l	5000
Manganese	33.6		ug/l	15	33.7		ug/l	15	11300		ug/l	15	11300		ug/l	15
Mercury	.2	U	ug/l	.2	.6		ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	40.5		ug/l	40	24.9	U	ug/l	40	20.7	U	ug/l	40
Potassium	2750		ug/l	5000	3430		ug/l	5000	23000		ug/l	5000	22400		ug/l	5000
Selenium	10	U	ug/l	5	10	UJ	ug/l	5	10	U	ug/l	5	10	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2.4	U	ug/l	10	2.7	U	ug/l	10
Sodium	17700		ug/l	5000	9070		ug/l	5000	95700		ug/l	5000	92700		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	20	UJ	ug/l	50	152		ug/l	50	39.5	J	ug/l	50	36.2	J	ug/l	50
Zinc	36.1	U	ug/l	20	43.8	U	ug/l	20	228	J	ug/l	20	126	J	ug/l	20
Cyanide	5	UJ	ug/l	10	5	U	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J2143				J2624				J2622				J2623			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW25SI				CF17MW26I				CF17MW27D				CF17MW28OD			
Collect Date:	11-JAN-94				12-JAN-94				12-JAN-94				12-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	29000		ug/l	200	2530		ug/l	200	1030		ug/l	200	51.9	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	6.2	J	ug/l	10	3.6		ug/l	10	6		ug/l	10
Barium	48.3		ug/l	200	13.6	U	ug/l	200	20.8		ug/l	200	36.4		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	1510	J	ug/l	5000	1700		ug/l	5000	69100		ug/l	5000	58500		ug/l	5000
Chromium	38.1	J	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	10.7	U	ug/l	25	3.8	U	ug/l	25	5.2	U	ug/l	25	2	U	ug/l	25
Iron	3310	J	ug/l	100	931	J	ug/l	100	410	J	ug/l	100	8	R	ug/l	100
Lead	13		ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	1840		ug/l	5000	512	U	ug/l	5000	1710		ug/l	5000	7620		ug/l	5000
Manganese	8.3	U	ug/l	15	10.9	U	ug/l	15	20.6		ug/l	15	13.2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	1230		ug/l	5000	480		ug/l	5000	978		ug/l	5000	2170		ug/l	5000
Selenium	4.4		ug/l	5	2	U	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	8230		ug/l	5000	5730		ug/l	5000	13100		ug/l	5000	9690		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	25	UJ	ug/l	50	5.8	UJ	ug/l	50	5.2	UJ	ug/l	50	2.6	UJ	ug/l	50
Zinc	27.8	U	ug/l	20	33.6	U	ug/l	20	17.4	U	ug/l	20	19	U	ug/l	20
Cyanide	5	UJ	ug/l	10	6.6	UJ	ug/l	10	5	UJ	ug/l	10	5	UJ	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J0122				J0121			
Site	CECIL2				CECIL2			
Locator	CF17OF				CF17SC			
Collect Date:	30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	73.8	U	ug/l	200	58.7	U	ug/l	200
Antimony	20	UJ	ug/l	60	20	UJ	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10
Barium	2	U	ug/l	200	17.4	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	55.2	U	ug/l	5000	29300		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	3.6	U	ug/l	25
Iron	8	UJ	ug/l	100	31.7	UJ	ug/l	100
Lead	1.2	UJ	ug/l	3	1.9	UJ	ug/l	3
Magnesium	38.2	U	ug/l	5000	12300		ug/l	5000
Manganese	2	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40
Potassium	18	UJ	ug/l	5000	1540		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10
Sodium	86	U	ug/l	5000	6060		ug/l	5000
Thallium	1	U	ug/l	10	1.3	U	ug/l	10
Vanadium	2.7	UJ	ug/l	50	2	UJ	ug/l	50
Zinc	3	UJ	ug/l	20	83.9	UJ	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J1888				J0377				J0378				J0379			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1				CF17MW4S				CF17MW5S				CF17MW5SR			
Collect Date:	10-JAN-94				03-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1180		ug/l	200	38400		ug/l	200	81100		ug/l	200	38	U	ug/l	200
Antimony	20	U	ug/l	60	20	UJ	ug/l	60	20	UJ	ug/l	60	20	UJ	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Barium	31.3		ug/l	200	60.2		ug/l	200	177		ug/l	200	8.5	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	1980		ug/l	5000	9910		ug/l	5000	2210		ug/l	5000	84.3	U	ug/l	5000
Chromium	5	UJ	ug/l	10	52.2		ug/l	10	58.1		ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2.3	U	ug/l	25	10.6	U	ug/l	25	8.3	U	ug/l	25	2	U	ug/l	25
Iron	3060	J	ug/l	100	4700		ug/l	100	8720		ug/l	100	32.9	UJ	ug/l	100
Lead	1.1	J	ug/l	3	26	J	ug/l	3	33.7	J	ug/l	3	1.2	UJ	ug/l	3
Magnesium	2830		ug/l	5000	4780		ug/l	5000	8300		ug/l	5000	37.8	U	ug/l	5000
Manganese	3.4	U	ug/l	15	120		ug/l	15	22.2	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.21		ug/l	.2	.23		ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	18.7		ug/l	40	11	U	ug/l	40
Potassium	227	UJ	ug/l	5000	10100		ug/l	5000	1360		ug/l	5000	18	UJ	ug/l	5000
Selenium	2	UJ	ug/l	5	10	UJ	ug/l	5	10	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2.3	U	ug/l	10
Sodium	11900		ug/l	5000	33000		ug/l	5000	20000		ug/l	5000	87.7	U	ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1.2	U	ug/l	10
Vanadium	6	UJ	ug/l	50	38.2	J	ug/l	50	53.8	J	ug/l	50	3.8	UJ	ug/l	50
Zinc	14.5	U	ug/l	20	38.9	UJ	ug/l	20	47.7	UJ	ug/l	20	18.4	J	ug/l	20
Cyanide	5	UJ	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J0618				J0619				CF17MW7D				CF17MW8S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW6S				CF17MW6SD				CF17MW7D				CF17MW8S			
Collect Date:	04-JAN-94				04-JAN-94				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	113000		ug/l	200	129000		ug/l	200	50.7		ug/l	200	163000		ug/l	200
Antimony	20	UJ	ug/l	60	20	UJ	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2.6		ug/l	10
Barium	242		ug/l	200	272		ug/l	200	28		ug/l	200	113		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	1520		ug/l	5000	1900		ug/l	5000	67800		ug/l	5000	3660		ug/l	5000
Chromium	93.2		ug/l	10	105		ug/l	10	5	U	ug/l	10	154		ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	16.5		ug/l	25	18.6		ug/l	25	3.6	U	ug/l	25	23	U	ug/l	25
Iron	11400		ug/l	100	13400		ug/l	100	202	J	ug/l	100	6470	J	ug/l	100
Lead	17.9	J	ug/l	3	20.6	J	ug/l	3	1.4	UJ	ug/l	3	26.3		ug/l	3
Magnesium	3790		ug/l	5000	4140		ug/l	5000	2450		ug/l	5000	1930		ug/l	5000
Manganese	17	U	ug/l	15	18.9	U	ug/l	15	13.2	U	ug/l	15	16.6	U	ug/l	15
Mercury	.27		ug/l	.2	.31		ug/l	.2	.2	U	ug/l	.2	.92		ug/l	.2
Nickel	15.7	J	ug/l	40	12		ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	2950		ug/l	5000	3380		ug/l	5000	1010		ug/l	5000	1620		ug/l	5000
Selenium	2	UJ	ug/l	5	10	UJ	ug/l	5	2	UJ	ug/l	5	15	J	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2.5	U	ug/l	10
Sodium	17200		ug/l	5000	18300		ug/l	5000	11700		ug/l	5000	6690		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	87.7	J	ug/l	50	100	J	ug/l	50	4.2	UJ	ug/l	50	169		ug/l	50
Zinc	41.3	UJ	ug/l	20	48.2	UJ	ug/l	20	20.1	UJ	ug/l	20	38.6	U	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	J0376				CF17MW10D				CF17MW11I				CF17MW11IR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW9S				CF17MW10D				CF17MW11I				CF17MW11IR			
Collect Date:	03-JAN-94				30-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	52300		ug/l	200	1870		ug/l	200	6010		ug/l	200	38	U	ug/l	200
Antimony	20	UJ	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	6.9		ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Barium	48.3		ug/l	200	31.4		ug/l	200	17.4		ug/l	200	2	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	6380		ug/l	5000	55100		ug/l	5000	1070		ug/l	5000	37	U	ug/l	5000
Chromium	58		ug/l	10	17.7	U	ug/l	10	9.3	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	10.2	U	ug/l	25	6.7	U	ug/l	25	5	U	ug/l	25	2	U	ug/l	25
Iron	7010		ug/l	100	950	J	ug/l	100	1570	J	ug/l	100	8	U	ug/l	100
Lead	25	J	ug/l	3	2.7	UJ	ug/l	3	3.6	UJ	ug/l	3	1	U	ug/l	3
Magnesium	2490		ug/l	5000	2290		ug/l	5000	797		ug/l	5000	20	U	ug/l	5000
Manganese	32.1		ug/l	15	27.6		ug/l	15	6.5	U	ug/l	15	2	U	ug/l	15
Mercury	.24		ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	40		ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	982		ug/l	5000	1310		ug/l	5000	460		ug/l	5000	18	U	ug/l	5000
Selenium	10	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5
Silver	2.7	U	ug/l	10	3.1	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	8210		ug/l	5000	42300		ug/l	5000	5150		ug/l	5000	67.7		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	38.5	J	ug/l	50	14.1	UJ	ug/l	50	6.8	UJ	ug/l	50	3.1	J	ug/l	50
Zinc	29.3	UJ	ug/l	20	35.9	U	ug/l	20	54.3	U	ug/l	20	7		ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Collect Date:	29-DEC-93				28-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2230		ug/l	200	19500		ug/l	200	1300		ug/l	200	545		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	3.3		ug/l	10	2	U	ug/l	10	3.9		ug/l	10	2.7		ug/l	10
Barium	65.3		ug/l	200	51.5		ug/l	200	13.7	U	ug/l	200	34.5		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	49100		ug/l	5000	6420		ug/l	5000	994		ug/l	5000	71900		ug/l	5000
Chromium	12.9	U	ug/l	10	22.4	U	ug/l	10	5	U	ug/l	10	5.8	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	5.5	U	ug/l	25	15.4	U	ug/l	25	7.3	U	ug/l	25	3.6	U	ug/l	25
Iron	1260	J	ug/l	100	1970	J	ug/l	100	502	J	ug/l	100	472	J	ug/l	100
Lead	3	UJ	ug/l	3	10.8	J	ug/l	3	1.4	UJ	ug/l	3	1.8	UJ	ug/l	3
Magnesium	2260		ug/l	5000	1590		ug/l	5000	512		ug/l	5000	3630		ug/l	5000
Manganese	22.6	U	ug/l	15	20.4	U	ug/l	15	5.4	U	ug/l	15	22.1	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	913		ug/l	5000	591		ug/l	5000	462		ug/l	5000	1000		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2.2	U	ug/l	10	2.7	U	ug/l	10	2.7	U	ug/l	10	2	U	ug/l	10
Sodium	11600		ug/l	5000	19200		ug/l	5000	6040		ug/l	5000	18800		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	11.2	UJ	ug/l	50	21.8	UJ	ug/l	50	2.6	UJ	ug/l	50	5.7	UJ	ug/l	50
Zinc	27	U	ug/l	20	49.1	U	ug/l	20	32.3	U	ug/l	20	19	U	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Collect Date:	27-DEC-93				27-DEC-93				27-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	110000		ug/l	200	1190		ug/l	200	122		ug/l	200	38	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	22.3		ug/l	10	2.8		ug/l	10	2	U	ug/l	10
Barium	96.8		ug/l	200	20.4		ug/l	200	35.2		ug/l	200	2	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	2420		ug/l	5000	1180		ug/l	5000	73700		ug/l	5000	58.2		ug/l	5000
Chromium	116		ug/l	10	5.5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13.1	J	ug/l	50	14.2	J	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	22.7	U	ug/l	25	5.6	U	ug/l	25	3.1	U	ug/l	25	2	U	ug/l	25
Iron	7750	J	ug/l	100	1110	J	ug/l	100	243	J	ug/l	100	8	U	ug/l	100
Lead	37.2		ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3	1	U	ug/l	3
Magnesium	3110		ug/l	5000	548		ug/l	5000	2110		ug/l	5000	20	U	ug/l	5000
Manganese	30.6		ug/l	15	4	U	ug/l	15	14.2	U	ug/l	15	2	U	ug/l	15
Mercury	.39		ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	56.2		ug/l	40	13.9		ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	1170		ug/l	5000	441		ug/l	5000	1630		ug/l	5000	18	U	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5
Silver	2	U	ug/l	10	2.1	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	15100		ug/l	5000	5550		ug/l	5000	12500		ug/l	5000	47	U	ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	55.9	J	ug/l	50	3.6	UJ	ug/l	50	2.8	UJ	ug/l	50	2	U	ug/l	50
Zinc	28	U	ug/l	20	29	U	ug/l	20	14.3	U	ug/l	20	4.2		ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS AND CYANIDE (UNFILTERED)

Lab Sample Number:	CF17MW19S				CF17MW20I				CF17MW20ID				J1889			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW19S				CF17MW20I				CF17MW20ID				CF17MW21I			
Collect Date:	28-DEC-93				28-DEC-93				28-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	20500		ug/l	200	2960	J	ug/l	200	1930	J	ug/l	200	11200		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	6.7		ug/l	10
Barium	23.9		ug/l	200	11.2	U	ug/l	200	9.8	U	ug/l	200	20.1	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	UJ	ug/l	5
Calcium	19500		ug/l	5000	1060		ug/l	5000	903		ug/l	5000	2940		ug/l	5000
Chromium	20.3	U	ug/l	10	7.7	U	ug/l	10	5	U	ug/l	10	8.7	UJ	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	6.2	U	ug/l	25	5.4	U	ug/l	25	4.8	U	ug/l	25	3.9	U	ug/l	25
Iron	1050	J	ug/l	100	700	J	ug/l	100	476	J	ug/l	100	1440	J	ug/l	100
Lead	19.6		ug/l	3	2.9	UJ	ug/l	3	2.8	UJ	ug/l	3	3.3	J	ug/l	3
Magnesium	1670		ug/l	5000	588		ug/l	5000	534		ug/l	5000	766	U	ug/l	5000
Manganese	6	U	ug/l	15	5.1	U	ug/l	15	3.1	U	ug/l	15	6	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	867		ug/l	5000	225		ug/l	5000	203		ug/l	5000	545		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	3	U	ug/l	10	2.4	U	ug/l	10	2	U	ug/l	10
Sodium	11700		ug/l	5000	6640		ug/l	5000	6630		ug/l	5000	4580		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	21.6	UJ	ug/l	50	4.2	UJ	ug/l	50	2.8	UJ	ug/l	50	9.2	UJ	ug/l	50
Zinc	19.8	U	ug/l	20	43.8	U	ug/l	20	33.3	U	ug/l	20	16	U	ug/l	20
Cyanide	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J1890F				CF17MW23SF				J2136F				J2134F			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW22DF				CF17MW23SF				CF17MW24SDF				CF17MW24SF			
Collect Date:	10-JAN-94				29-DEC-93				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	56.3	U	ug/l	200	248		ug/l	200	778		ug/l	200	807		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	15		ug/l	10	2	UJ	ug/l	10	2.8	J	ug/l	10	5.7	J	ug/l	10
Barium	32.8		ug/l	200	17.7		ug/l	200	29.5	J	ug/l	200	20.9	J	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	41500		ug/l	5000	1800		ug/l	5000	44400		ug/l	5000	45000		ug/l	5000
Chromium	5	U	ug/l	10	5.2	U	ug/l	10	9	U	ug/l	10	9.8	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2.3	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	8	UJ	ug/l	100	1620		ug/l	100	3400	J	ug/l	100	3390	J	ug/l	100
Lead	1	UJ	ug/l	3	1.8	UJ	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	1520		ug/l	5000	1070		ug/l	5000	3450		ug/l	5000	3310		ug/l	5000
Manganese	23		ug/l	15	14.9	U	ug/l	15	10800		ug/l	15	11100		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	13.5	U	ug/l	40	11	U	ug/l	40
Potassium	2030		ug/l	5000	264		ug/l	5000	23600		ug/l	5000	23200		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2.3	U	ug/l	10	2.3	U	ug/l	10	2.1	U	ug/l	10
Sodium	17300		ug/l	5000	9340		ug/l	5000	97600		ug/l	5000	95800		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	4.8	UJ	ug/l	50	3.3	UJ	ug/l	50	20.6	UJ	ug/l	50	17.9	UJ	ug/l	50
Zinc	15.2	U	ug/l	20	25.1	UJ	ug/l	20	11.6	U	ug/l	20	31	U	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J2143F				J2624F				J2622F				J2623F			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW25SIF				CF17MW26IF				CF17MW27DF				CF17MW28DDF			
Collect Date:	11-JAN-94				12-JAN-94				12-JAN-94				12-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP METALS AND CYANIDE																
Aluminum	102	U	ug/l	200	57.7	U	ug/l	200	38	U	ug/l	200	48	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	6		ug/l	10	4.1		ug/l	10	7.4		ug/l	10
Barium	5.5	U	ug/l	200	5.2	U	ug/l	200	16.7	U	ug/l	200	37.1		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	481	U	ug/l	5000	562	U	ug/l	5000	70500		ug/l	5000	54300		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	9.2	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	443	J	ug/l	100	245	J	ug/l	100	8	UJ	ug/l	100	8	UJ	ug/l	100
Lead	1	UJ	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	761	U	ug/l	5000	298	U	ug/l	5000	1650		ug/l	5000	7080		ug/l	5000
Manganese	2.6	U	ug/l	15	7.7	U	ug/l	15	12.6	U	ug/l	15	11.3	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	338	U	ug/l	5000	334	U	ug/l	5000	912		ug/l	5000	2250		ug/l	5000
Selenium	2	U	ug/l	5	2	U	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	6770		ug/l	5000	4460		ug/l	5000	12500		ug/l	5000	9310		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	4.2	UJ	ug/l	50	3.7	UJ	ug/l	50	4.3	UJ	ug/l	50	2	UJ	ug/l	50
Zinc	45.1	U	ug/l	20	40	U	ug/l	20	30.9	U	ug/l	20	19.5	U	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J0122F				J0121F			
Site	CECIL2				CECIL2			
Locator	CF17OFF				CF17SCF			
Collect Date:	30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P METALS AND CYANIDE								
Aluminum	44.3	U	ug/l	200	76.9	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10
Barium	2.3	U	ug/l	200	18	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	37	U	ug/l	5000	29800		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	3.2	U	ug/l	25
Iron	8	UJ	ug/l	100	8	U	ug/l	100
Lead	1.3	UJ	ug/l	3	2.3	UJ	ug/l	3
Magnesium	21.1	U	ug/l	5000	12500	J	ug/l	5000
Manganese	2	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40
Potassium	18	UJ	ug/l	5000	1580		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10
Sodium	63.1	U	ug/l	5000	6230	J	ug/l	5000
Thallium	1.1	U	ug/l	10	1.2	U	ug/l	10
Vanadium	2	UJ	ug/l	50	2	UJ	ug/l	50
Zinc	12.1	U	ug/l	20	80.4	U	ug/l	20
Cyanide	-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J1888F				J0377F				J0378F				J0379F			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1F				CF17MW4SF				CF17MW5SF				CF17MW5SRF			
Collect Date:	10-JAN-94				03-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	592		ug/l	200	450		ug/l	200	6820		ug/l	200	106	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	4.1		ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Barium	31.9		ug/l	200	17.7	U	ug/l	200	97.8		ug/l	200	3.8	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Calcium	1910		ug/l	5000	8350		ug/l	5000	877		ug/l	5000	37	U	ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	1150	J	ug/l	100	2210		ug/l	100	4770		ug/l	100	20.3	UJ	ug/l	100
Lead	1	UJ	ug/l	3	1.6	UJ	ug/l	3	1.5	U	ug/l	3	1.7	UJ	ug/l	3
Magnesium	2780		ug/l	5000	4230	J	ug/l	5000	7570	J	ug/l	5000	20	U	ug/l	5000
Manganese	2.5	U	ug/l	15	102		ug/l	15	9.5	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	213	U	ug/l	5000	9700		ug/l	5000	151	U	ug/l	5000	18	UJ	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Sodium	12100		ug/l	5000	31400	J	ug/l	5000	19400	J	ug/l	5000	47	U	ug/l	5000
Thallium	1.2	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	3.6	UJ	ug/l	50	10.7	UJ	ug/l	50	10.6	UJ	ug/l	50	2	UJ	ug/l	50
Zinc	13.1	U	ug/l	20	24.1	U	ug/l	20	24.7	U	ug/l	20	8.4	U	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J0619F				J0618F				CF17MW7DF				CF17MW8SF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW6SDF				CF17MW6SF				CF17MW7DF				CF17MW8SF			
Collect Date:	04-JAN-94				04-JAN-94				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1400		ug/l	200	1420		ug/l	200	38	U	ug/l	200	292		ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	2	U	ug/l	10	2.6	J	ug/l	10	2	UJ	ug/l	10
Barium	37.7		ug/l	200	39.3		ug/l	200	24.3		ug/l	200	12.3	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	459	U	ug/l	5000	459	U	ug/l	5000	65100		ug/l	5000	2190		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5.8	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	4.1	U	ug/l	25	3.4	U	ug/l	25
Iron	1150		ug/l	100	1160		ug/l	100	8	UJ	ug/l	100	916		ug/l	100
Lead	1.6	UJ	ug/l	3	1	UJ	ug/l	3	1.7	U	ug/l	3	2.1	UJ	ug/l	3
Magnesium	1540	J	ug/l	5000	1580	J	ug/l	5000	2260		ug/l	5000	548		ug/l	5000
Manganese	2.5	U	ug/l	15	2	U	ug/l	15	12.8	U	ug/l	15	5.4	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	325		ug/l	5000	154	U	ug/l	5000	937		ug/l	5000	336		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	10.6	U	ug/l	10	3	U	ug/l	10
Sodium	16400	J	ug/l	5000	17000	J	ug/l	5000	11700		ug/l	5000	5710		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	11.6	UJ	ug/l	50	11.6	UJ	ug/l	50	3.6	UJ	ug/l	50	5.6	UJ	ug/l	50
Zinc	35	U	ug/l	20	15.1	U	ug/l	20	20.4	UJ	ug/l	20	30.3	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	J0376F				CF17MW10DF				CF17MW11IF				CF17MW11IR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW9SF				CF17MW10DF				CF17MW11IF				CF17MW11IRF			
Collect Date:	03-JAN-94				30-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	283	U	ug/l	200	372		ug/l	200	48.7		ug/l	200	38	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	U	ug/l	10	5.4	J	ug/l	10	2	UJ	ug/l	10	2	U	ug/l	10
Barium	24.3	U	ug/l	200	19.3		ug/l	200	5.5	U	ug/l	200	2	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	UJ	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	6390		ug/l	5000	52100		ug/l	5000	415	U	ug/l	5000	59.7		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	5.2	U	ug/l	25	2.5	U	ug/l	25	2	U	ug/l	25
Iron	3750		ug/l	100	205		ug/l	100	327		ug/l	100	8	U	ug/l	100
Lead	1.4	UJ	ug/l	3	2	UJ	ug/l	3	1.3	UJ	ug/l	3	1.5		ug/l	3
Magnesium	1930	J	ug/l	5000	2080		ug/l	5000	517		ug/l	5000	20	U	ug/l	5000
Manganese	27.9		ug/l	15	23	U	ug/l	15	3.4	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	22.6		ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	279		ug/l	5000	1300		ug/l	5000	229		ug/l	5000	18	U	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2.4	U	ug/l	10	2	U	ug/l	10
Sodium	7950	J	ug/l	5000	42600		ug/l	5000	4080		ug/l	5000	94.2		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	2.6	UJ	ug/l	50	6.5	UJ	ug/l	50	3.8	UJ	ug/l	50	2.3	J	ug/l	50
Zinc	26.7	U	ug/l	20	27.7	UJ	ug/l	20	34.2	UJ	ug/l	20	21.2		ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	CF17MW12DF				CF17MW13SF				CF17MW14IF				CF17MW15DF			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW12DF				CF17MW13SF				CF17MW14IF				CF17MW15DF			
Collect Date:	29-DEC-93				28-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	38	U	ug/l	200	229		ug/l	200	53.8		ug/l	200	38	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	3.7	J	ug/l	10	2	UJ	ug/l	10	3.4	J	ug/l	10	2.3	J	ug/l	10
Barium	28.2		ug/l	200	27.9		ug/l	200	9	U	ug/l	200	28.6		ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	45000		ug/l	5000	5900		ug/l	5000	369	U	ug/l	5000	67900		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	6.2	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	229		ug/l	100	532		ug/l	100	271		ug/l	100	22.2	UJ	ug/l	100
Lead	1	UJ	ug/l	3	1.5	UJ	ug/l	3	1.2	UJ	ug/l	3	1.1	UJ	ug/l	3
Magnesium	2070		ug/l	5000	1320		ug/l	5000	461		ug/l	5000	3430		ug/l	5000
Manganese	17.1	U	ug/l	15	20.1	U	ug/l	15	2.6	U	ug/l	15	21.3	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	769		ug/l	5000	168		ug/l	5000	312		ug/l	5000	937		ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2.1	U	ug/l	10	2	U	ug/l	10
Sodium	10800		ug/l	5000	18500		ug/l	5000	5020		ug/l	5000	17500		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	4.1	UJ	ug/l	50	7.4	UJ	ug/l	50	2.9	UJ	ug/l	50	2.6	UJ	ug/l	50
Zinc	19.3	UJ	ug/l	20	24.1	UJ	ug/l	20	26.1	UJ	ug/l	20	33.1	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	CF17MW16SF				CF17MW17IF				CF17MW18DF				CF17MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW16SF				CF17MW17IF				CF17MW18DF				CF17MW18DRF			
Collect Date:	27-DEC-93				27-DEC-93				27-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	272		ug/l	200	123		ug/l	200	38	U	ug/l	200	38	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	J F	ug/l	10	20	J	ug/l	10	2.3	J	ug/l	10	2	U	ug/l	10
Barium	19.1		ug/l	200	17		ug/l	200	35.6		ug/l	200	2	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Calcium	1430		ug/l	5000	736		ug/l	5000	75900		ug/l	5000	102		ug/l	5000
Chromium	5.9	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	15	J	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	1370		ug/l	100	795		ug/l	100	174		ug/l	100	8	U	ug/l	100
Lead	1	UJ	ug/l	3	1	UJ	ug/l	3	1	UJ	ug/l	3	1.7		ug/l	3
Magnesium	2220		ug/l	5000	478		ug/l	5000	2170		ug/l	5000	20	U	ug/l	5000
Manganese	17.1	U	ug/l	15	3.4	U	ug/l	15	14.2	U	ug/l	15	2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	13.9		ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	56.9	U	ug/l	5000	531		ug/l	5000	1710		ug/l	5000	18	U	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5
Silver	2	U	ug/l	10	14.5	U	ug/l	10	5.2	U	ug/l	10	2	U	ug/l	10
Sodium	13500		ug/l	5000	5080		ug/l	5000	12100		ug/l	5000	166		ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	4.1	UJ	ug/l	50	2.3	UJ	ug/l	50	3.8	UJ	ug/l	50	2	U	ug/l	50
Zinc	14	UJ	ug/l	20	16.6	UJ	ug/l	20	7.2	UJ	ug/l	20	26.9		ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	CF17MW19SF				CF17MW20ID				CF17MW20IF				J1889F			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW19SF				CF17MW20IDF				CF17MW20IF				CF17MW21IF			
Collect Date:	28-DEC-93				28-DEC-93				28-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	240		ug/l	200	77	J	ug/l	200	49.2	J	ug/l	200	138	U	ug/l	200
Antimony	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60	20	U	ug/l	60
Arsenic	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2.7		ug/l	10
Barium	10.7	U	ug/l	200	3.6	U	ug/l	200	8.8	U	ug/l	200	8.6	U	ug/l	200
Beryllium	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Cadmium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	UJ	ug/l	5
Calcium	18000		ug/l	5000	340	U	ug/l	5000	416	U	ug/l	5000	4900		ug/l	5000
Chromium	5	U	ug/l	10	5	U	ug/l	10	6.9	U	ug/l	10	5	U	ug/l	10
Cobalt	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50	13	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	49.4	UJ	ug/l	100	194		ug/l	100	192		ug/l	100	79.8	J	ug/l	100
Lead	2.3	UJ	ug/l	3	1	UJ	ug/l	3	1.6	UJ	ug/l	3	1	UJ	ug/l	3
Magnesium	1400		ug/l	5000	458		ug/l	5000	490		ug/l	5000	425	U	ug/l	5000
Manganese	4.4	U	ug/l	15	2	U	ug/l	15	2.9	U	ug/l	15	3.2	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40	11	U	ug/l	40
Potassium	527		ug/l	5000	144		ug/l	5000	115		ug/l	5000	294	U	ug/l	5000
Selenium	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	5	2	U	ug/l	5
Silver	2	U	ug/l	10	2	U	ug/l	10	2.9	U	ug/l	10	2	U	ug/l	10
Sodium	10600		ug/l	5000	5400		ug/l	5000	5660		ug/l	5000	3940	U	ug/l	5000
Thallium	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Vanadium	10.6	UJ	ug/l	50	2	UJ	ug/l	50	4.4	UJ	ug/l	50	5.4	UJ	ug/l	50
Zinc	29	UJ	ug/l	20	46	UJ	ug/l	20	25.9	UJ	ug/l	20	14.1	U	ug/l	20
Cyanide	-				-				-				-			

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SITE 17 SEDIMENT AND SURFACE WATER DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- VOLATILES

Lab Sample Number:	08796				08800				08811				08814			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD1T			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Acetone	35	U	ug/kg	35	45	U	ug/kg	45	2	U	ug/l	2	15		ug/l	2
Carbon disulfide	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Chloroform	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	4	J	ug/kg	17	4	J	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Benzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Bromoform	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Toluene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Styrene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- VOLATILES

Lab Sample Number:	08805				08805MS				08805MSD			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SD2				CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Bromomethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Vinyl chloride	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Chloroethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Methylene chloride	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Acetone	26	U	ug/kg	26	49		ug/kg	26	86		ug/kg	26
Carbon disulfide	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,1-Dichloroethene	13	U	ug/kg	13	120		ug/kg	26	110		ug/kg	26
1,1-Dichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloroethene (total)	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Chloroform	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
2-Butanone	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
1,1,1-Trichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Carbon tetrachloride	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Bromodichloromethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloropropane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
cis-1,3-Dichloropropene	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Trichloroethene	13	U	ug/kg	13	120		ug/kg	26	120		ug/kg	26
Dibromochloromethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,1,2-Trichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Benzene	13	U	ug/kg	13	140		ug/kg	26	130		ug/kg	26
trans-1,3-Dichloropropene	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Bromoform	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
4-Methyl-2-pentanone	26	UJ	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
2-Hexanone	26	UJ	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Tetrachloroethene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Toluene	13	UJ	ug/kg	13	160		ug/kg	26	150		ug/kg	26
1,1,2,2-Tetrachloroethane	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Chlorobenzene	13	UJ	ug/kg	13	120		ug/kg	26	120		ug/kg	26
Ethylbenzene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Styrene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Xylenes (total)	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
= RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Chloroethyl) ether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Chlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,3-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,4-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,2-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Methylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,2-oxybis(1-Chloropropane)	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Methylphenol	37	J	ug/kg	550	87	J	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
N-Nitroso-di-n-propylamine	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachloroethane	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Nitrobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Isophorone	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Nitrophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dimethylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Chloroethoxy) methane	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dichlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,2,4-Trichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Naphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Chloroaniline	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorobutadiene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Chloro-3-methylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Methylnaphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorocyclopentadiene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4,6-Trichlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4,5-Trichlorophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
2-Chloronaphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Dimethylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Acenaphthylene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,6-Dinitrotoluene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
3-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Acenaphthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dinitrophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
4-Nitrophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Dibenzofuran	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dinitrotoluene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Diethylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	48	J	ug/kg	850
4-Chlorophenyl-phenylether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Fluorene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
4,6-Dinitro-2-methylphenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
N-Nitrosodiphenylamine (1)	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Bromophenyl-phenylether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Pentachlorophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	53	J	ug/kg	2000
Phenanthrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Carbazole	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Di-n-butylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Butylbenzylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (a) anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Chrysene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Ethylhexyl) phthalate	550	U	ug/kg	550	590	U	ug/kg	590	1	J	ug/l	10	850	U	ug/kg	850
Di-n-octylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (b) fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (k) fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (a) pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Indeno (1,2,3-cd) pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Dibenz (a,h) anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (g,h,i) perylene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850

U = NOT DETECTED J = ESTIMATED VALUE
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* RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	4100		ug/kg	850	4800		ug/kg	850
bis(2-Chloroethyl) ether	850	U	ug/kg	850	850	U	ug/kg	850
2-Chlorophenol	4800		ug/kg	850	4600		ug/kg	850
1,3-Dichlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
1,4-Dichlorobenzene	2700		ug/kg	850	2600		ug/kg	850
1,2-Dichlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
2-Methylphenol	850	U	ug/kg	850	85	J	ug/kg	850
2,2-oxybis(1-Chloropropene)	850	U	ug/kg	850	850	U	ug/kg	850
4-Methylphenol	850	U	ug/kg	850	850	U	ug/kg	850
N-Nitroso-di-n-propylamine	2900		ug/kg	850	2900		ug/kg	850
Hexachloroethane	850	U	ug/kg	850	850	U	ug/kg	850
Nitrobenzene	850	U	ug/kg	850	850	U	ug/kg	850
Isophorone	850	U	ug/kg	850	850	U	ug/kg	850
2-Nitrophenol	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dimethylphenol	850	U	ug/kg	850	850	U	ug/kg	850
bis(2-Chloroethoxy) methane	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dichlorophenol	850	U	ug/kg	850	850	U	ug/kg	850
1,2,4-Trichlorobenzene	3200		ug/kg	850	3100		ug/kg	850
Naphthalene	850	U	ug/kg	850	850	U	ug/kg	850
4-Chloroaniline	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorobutadiene	850	U	ug/kg	850	850	U	ug/kg	850
4-Chloro-3-methylphenol	4800		ug/kg	850	5300		ug/kg	850
2-Methylnaphthalene	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorocyclopentadiene	850	U	ug/kg	850	850	U	ug/kg	850
2,4,6-Trichlorophenol	850	U	ug/kg	850	850	U	ug/kg	850
2,4,5-Trichlorophenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
2-Chloronaphthalene	850	U	ug/kg	850	850	U	ug/kg	850
2-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
Dimethylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
Acenaphthylene	850	U	ug/kg	850	850	U	ug/kg	850
2,6-Dinitrotoluene	850	U	ug/kg	850	850	U	ug/kg	850
3-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
Acenaphthene	3800		ug/kg	850	3900		ug/kg	850
2,4-Dinitrophenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
4-Nitrophenol	3800		ug/kg	2000	4500		ug/kg	2000
Dibenzofuran	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dinitrotoluene	3400		ug/kg	850	3700		ug/kg	850
Diethylphthalate	850	U	ug/kg	850	46	J	ug/kg	850
4-Chlorophenyl-phenylether	850	U	ug/kg	850	850	U	ug/kg	850
Fluorene	850	U	ug/kg	850	850	U	ug/kg	850
4-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
4,6-Dinitro-2-methylphenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
N-Nitrosodiphenylamine (1)	850	U	ug/kg	850	850	U	ug/kg	850
4-Bromophenyl-phenylether	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
Pentachlorophenol	6100		ug/kg	2000	6800		ug/kg	2000
Phenanthrene	850	U	ug/kg	850	850	U	ug/kg	850
Anthracene	850	U	ug/kg	850	850	U	ug/kg	850
Carbazole	850	U	ug/kg	850	850	U	ug/kg	850
Di-n-butylphthalate	510	J	ug/kg	850	920		ug/kg	850
Fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
Pyrene	3000		ug/kg	850	3000		ug/kg	850

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
3,3-Dichlorobenzidine	850	U	ug/kg	850	850	U	ug/kg	850
Benzo (a) anthracene	850	U	ug/kg	850	850	U	ug/kg	850
Chrysene	850	U	ug/kg	850	850	U	ug/kg	850
bis(2-Ethylhexyl) phthalate	77	J	ug/kg	850	82	J	ug/kg	850
Di-n-octylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
Benzo (b) fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
Benzo (k) fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
Benzo (a) pyrene	850	U	ug/kg	850	850	U	ug/kg	850
Indeno (1,2,3-cd) pyrene	850	U	ug/kg	850	850	U	ug/kg	850
Dibenz (a,h) anthracene	850	U	ug/kg	850	850	U	ug/kg	850
Benzo (g,h,i) perylene	850	U	ug/kg	850	850	U	ug/kg	850

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
beta-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
delta-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
gamma-BHC (Lindane)	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Heptachlor	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Aldrin	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Heptachlor epoxide	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.004	J	ug/l	.05	4.4	UJ	ug/kg	4.4
Endosulfan I	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Dieldrin	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDE	.55	J	ug/kg	5	.7	J	ug/kg	6	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endrin	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endosulfan II	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.01	J	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDD	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endosulfan sulfate	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDT	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Methoxychlor	28	U	ug/kg	28	30	UJ	ug/kg	30	.5	U	ug/l	.5	44	UJ	ug/kg	44
Endrin ketone	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endrin aldehyde	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
alpha-Chlordane	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
gamma-Chlordane	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Toxaphene	280	U	ug/kg	280	300	UJ	ug/kg	300	5	U	ug/l	5	440	UJ	ug/kg	440
Aroclor-1016	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1221	110	U	ug/kg	110	120	UJ	ug/kg	120	2	U	ug/l	2	170	UJ	ug/kg	170
Aroclor-1232	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1242	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1248	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1254	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1260	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
beta-BHC	2	J	ug/kg	4	4.4	U	ug/kg	4.4
delta-BHC	1.3	J	ug/kg	4	4.4	U	ug/kg	4.4
gamma-BHC (Lindane)	23		ug/kg	4	29		ug/kg	4
Heptachlor	30		ug/kg	4	40		ug/kg	4
Aldrin	22		ug/kg	4	33		ug/kg	4
Heptachlor epoxide	2.1	J	ug/kg	4	4.4	U	ug/kg	4.4
Endosulfan I	2.7	J	ug/kg	4	4.4	U	ug/kg	4.4
Dieldrin	54		ug/kg	8	60		ug/kg	8
4,4-DDE	1.4	J	ug/kg	8	8.5	U	ug/kg	8.5
Endrin	54		ug/kg	8	61		ug/kg	8
Endosulfan II	5	J	ug/kg	8	8.5	U	ug/kg	8.5
4,4-DDD	1	J	ug/kg	8	8.5	U	ug/kg	8.5
Endosulfan sulfate	1.7	J	ug/kg	8	8.5	U	ug/kg	8.5
4,4-DDT	49		ug/kg	8	57		ug/kg	8
Methoxychlor	4.4	J	ug/kg	44	44	U	ug/kg	44
Endrin ketone	8.5	U	ug/kg	8.5	8.5	U	ug/kg	8.5
Endrin aldehyde	8.5	U	ug/kg	8.5	8.5	U	ug/kg	8.5
alpha-Chlordane	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
gamma-Chlordane	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
Toxaphene	440	U	ug/kg	440	440	U	ug/kg	440
Aroclor-1016	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1221	170	U	ug/kg	170	170	U	ug/kg	170
Aroclor-1232	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1242	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1248	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1254	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1260	85	U	ug/kg	85	85	U	ug/kg	85

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- METALS AND CYANIDE

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1000		mg/kg	40	1160		mg/kg	40	56.2		ug/l	200	11100		mg/kg	40
Antimony	.99	UJ	mg/kg	12	1.1	UJ	mg/kg	12	3	U	ug/l	60	1.5	UJ	mg/kg	12
Arsenic	.99	U	mg/kg	2	1.1	U	mg/kg	2	3	U	ug/l	10	2.1		mg/kg	2
Barium	4.9		mg/kg	40	6		mg/kg	40	1.3		ug/l	200	59.1		mg/kg	40
Beryllium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	.51	U	mg/kg	1
Cadmium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	.95		mg/kg	1
Calcium	709		mg/kg	1000	820		mg/kg	1000	62.1		ug/l	5000	9020		mg/kg	1000
Chromium	1.7	U	mg/kg	2	1.9	U	mg/kg	2	1	U	ug/l	10	10.4		mg/kg	2
Cobalt	.33	U	mg/kg	10	.36	U	mg/kg	10	1	U	ug/l	50	.51	U	mg/kg	10
Copper	.95	U	mg/kg	5	1	U	mg/kg	5	1		ug/l	25	5.1		mg/kg	5
Iron	173		mg/kg	20	195		mg/kg	20	28		ug/l	100	4250		mg/kg	20
Lead	4.1	J	mg/kg	1	5.9	J	mg/kg	1	2	U	ug/l	3	30.6	J	mg/kg	1
Magnesium	58.7	U	mg/kg	1000	63.2	U	mg/kg	1000	36.9		ug/l	5000	272		mg/kg	1000
Manganese	1.9		mg/kg	3	2		mg/kg	3	1	U	ug/l	15	91		mg/kg	3
Mercury	.17	U	mg/kg	.1	.18	U	mg/kg	.1	.2	U	ug/l	.2	.26	U	mg/kg	.1
Nickel	.66	U	mg/kg	8	.71	U	mg/kg	8	2	U	ug/l	40	3.9		mg/kg	8
Potassium	62.5	U	mg/kg	1000	67.3	U	mg/kg	1000	189	U	ug/l	5000	96.9	U	mg/kg	1000
Selenium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	1.8	J	mg/kg	1
Silver	.33	U	mg/kg	2	.36	U	mg/kg	2	1	U	ug/l	10	.52	U	mg/kg	2
Sodium	197	J	mg/kg	1000	169	U	mg/kg	1000	104		ug/l	5000	338	J	mg/kg	1000
Thallium	1.7	U	mg/kg	2	1.8	U	mg/kg	2	.5	U	ug/l	10	2.6	U	mg/kg	2
Vanadium	2.5		mg/kg	10	2.4		mg/kg	10	1	U	ug/l	50	10.4		mg/kg	10
Zinc	4.8	U	mg/kg	4	5.2	U	mg/kg	4	4.5		ug/l	20	127	J	mg/kg	4
Cyanide	.78	U	mg/kg	1	.87	U	mg/kg	1	10	U	ug/l	10	1.3	U	mg/kg	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- METALS AND CYANIDE

Lab Sample Number:	09734				09735				Q0170				Q0171			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1RE				CF17SW1DRE			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	32100	J	ug/l	200	9180	J	ug/l	200	7400	J	ug/l	200	27200	J	ug/l	200
Antimony	3	U	ug/l	60	6.9		ug/l	60	3.9		ug/l	60	2.8		ug/l	60
Arsenic	7.8		ug/l	10	6.7		ug/l	10	3	U	ug/l	10	4.1	J	ug/l	10
Barium	159		ug/l	200	63.9		ug/l	200	45.8		ug/l	200	135		ug/l	200
Beryllium	1	U	ug/l	5	6		ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	5.8		ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	27200	J	ug/l	5000	13300	J	ug/l	5000	13100	J	ug/l	5000	22700	J	ug/l	5000
Chromium	26.4	J	ug/l	10	13	J	ug/l	10	6.9		ug/l	10	20.2		ug/l	10
Cobalt	3		ug/l	50	6.1		ug/l	50	2	U	ug/l	50	2.6		ug/l	50
Copper	23.9		ug/l	25	46.6		ug/l	25	7.6		ug/l	25	15.6		ug/l	25
Iron	13000	J	ug/l	100	3680	J	ug/l	100	3240	J	ug/l	100	10700	J	ug/l	100
Lead	71.9	J	ug/l	3	41.8	J	ug/l	3	13.8	J	ug/l	3	52.5	J	ug/l	3
Magnesium	2460		ug/l	5000	2170		ug/l	5000	1220		ug/l	5000	2210		ug/l	5000
Manganese	74		ug/l	15	35.6		ug/l	15	30.4	J	ug/l	15	58.4	J	ug/l	15
Mercury	.58		ug/l	.2	.54		ug/l	.2	.25	J	ug/l	.2	.66	J	ug/l	.2
Nickel	9.4		ug/l	40	8.6		ug/l	40	6.2		ug/l	40	10.5		ug/l	40
Potassium	1750		ug/l	5000	707		ug/l	5000	607		ug/l	5000	1050		ug/l	5000
Selenium	4.6		ug/l	5	1.7		ug/l	5	4	U	ug/l	5	7.9		ug/l	5
Silver	1	U	ug/l	10	5.1		ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium	8940		ug/l	5000	7900		ug/l	5000	6870		ug/l	5000	7510		ug/l	5000
Thallium	5	U	ug/l	10	12.8		ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	40.3		ug/l	50	17.6		ug/l	50	9.9		ug/l	50	33.7		ug/l	50
Zinc	110	J	ug/l	20	50	J	ug/l	20	88.6		ug/l	20	76.2		ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10	-				-			

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SITE 17 TENTATIVELY IDENTIFIED COMPOUNDS

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	09734				09735				09738			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1T			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(5.37) Ethanol,2-Butoxy-	36	U	ug/l									
(6.88) Ethanol,2-(2-Ethoxyetho	56	U	ug/l									
(7.02) 2-Propanol,1-(2-Methoxy	10	J	ug/l									
(5.30) Ethanol,2-Butoxy-					12	U	ug/l					
(6.83) Ethanol,2-(2-Ethoxyetho					22	U	ug/l					
(6.75) 2-Propanol,1-(2-Methoxy					2	J	ug/l					
(6.98) 2-Propanol,1-(2-Methoxy					4	J	ug/l					
(9.83) Furan,Tetrahydro-2,2,5,									4	J	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	08796				08800				08805			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.07) Aldolcondensationproduc	1800	J	ug/kg									
(4.50) Aldolcondensationproduc	37000	U	ug/kg									
(5.53) Aldolcondensationproduc	2400	U	ug/kg									
(5.32) Ethanol,2-Butoxy-	170	J	ug/kg									
(4.08) Aldolcondensationproduc					1700	J	ug/kg					
(5.53) Aldolcondensationproduc					2600	U	ug/kg					
(4.52) Aldolcondensationproduc					48000	U	ug/kg					
(4.45) Aldolcondensationproduc									68000	U	ug/kg	
(5.47) Aldolcondensationproduc									3600	U	ug/kg	
(3.95) Aldolcondensationproduc									2500	U	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K1003				K1006				K1008				K1009			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS1				CF17SS2				CF17SS3				CF17SS3D			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.50) Aldolcondensationproduc	200	J	ug/kg													
(3.80) Aldolcondensationproduc	180	J	ug/kg													
(4.37) Aldolcondensationproduc	33000	J	ug/kg													
(5.32) Aldolcondensationproduc	370	J	ug/kg													
(3.78) Aldolcondensationproduc					600	J	ug/kg									
(3.93) Aldolcondensationproduc					41000	J	ug/kg									
(5.30) Aldolcondensationproduc					440	J	ug/kg									
(11.37) Benzenepropanoicacid									400	J	ug/kg					
(3.97) Aldolcondensationproduc									42000	J	ug/kg					
(3.82) Aldolcondensationproduc									890	J	ug/kg					
(5.33) Aldolcondensationproduc									670	J	ug/kg					
(11.35) Benzenepropanoicacid													400	J	ug/kg	
(3.80) Aldolcondensationproduc													750	J	ug/kg	
(4.35) Aldolcondensationproduc													35000	J	ug/kg	
(5.32) Aldolcondensationproduc													480	J	ug/kg	
(3.90) Aldolcondensationproduc													530	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K1007				K1011				K1014				K1010			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS4				CF17SS5				CF17SS6				CF17SS7			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.50) Aldolcondensationproduc	300	J	ug/kg													
(3.93) Aldolcondensationproduc	380	J	ug/kg													
(5.32) Aldolcondensationproduc	440	J	ug/kg													
(6.62) Ethanol,2-(2-Ethoxyetho	410	J	ug/kg													
(3.78) Aldolcondensationproduc	100	J	ug/kg													
(4.37) Aldolcondensationproduc	40000	J	ug/kg													
(3.52) Aldolcondensationproduc					250	J	ug/kg									
(4.42) Aldolcondensationproduc					32000	J	ug/kg									
(5.33) Aldolcondensationproduc					340	J	ug/kg									
(3.98) Aldolcondensationproduc					320	J	ug/kg									
(6.65) Ethanol,2-(2-Ethoxyetho					300	J	ug/kg									
(3.82) Aldolcondensationproduc									410	J	ug/kg					
(3.92) Aldolcondensationproduc									380	J	ug/kg					
(4.37) Aldolcondensationproduc									24000	J	ug/kg					
(3.95) Aldolcondensationproduc													670	J	ug/kg	
(4.38) Aldolcondensationproduc													29000	J	ug/kg	
(6.63) Ethanol,2-(2-Ethoxyetho													360	J	ug/kg	
(3.82) Aldolcondensationproduc													370	J	ug/kg	
(5.32) Aldolcondensationproduc													300	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K1013			K1016			K1012			K1015		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17SS8			CF17SS9			CF17SS10			CF17SS11		
Collect Date:	12-FEB-94			12-FEB-94			12-FEB-94			12-FEB-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(3.92) Aldolcondensationproduc	980	J ug/kg										
(4.35) Aldolcondensationproduc	15000	J ug/kg										
(3.52) Aldolcondensationproduc				410	J ug/kg							
(5.35) Aldolcondensationproduc				580	J ug/kg							
(4.48) Aldolcondensationproduc				49000	J ug/kg							
(3.80) Aldolcondensationproduc							550	J ug/kg				
(4.02) Aldolcondensationproduc							35000	J ug/kg				
(6.65) Ethanol,2-(2-Ethoxyetho							360	J ug/kg				
(5.33) Aldolcondensationproduc							470	J ug/kg				
(3.52) Aldolcondensationproduc										210	J ug/kg	
(3.97) Aldolcondensationproduc										780	J ug/kg	
(5.33) Aldolcondensationproduc										320	J ug/kg	
(4.40) Aldolcondensationproduc										33000	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE SOILS -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	K1018				K1019				K1017				K1020			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SS12				CF17SS12D				CF17SS13				CF17SS14			
Collect Date:	12-FEB-94				12-FEB-94				12-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(4.33) Aldolcondensationproduc	23000	J	ug/kg													
(5.32) Aldolcondensationproduc	300	J	ug/kg													
(3.87) Aldolcondensationproduc	640	J	ug/kg													
(3.52) Aldolcondensationproduc					240	J	ug/kg									
(3.83) Aldolcondensationproduc					480	J	ug/kg									
(4.38) Aldolcondensationproduc					37000	J	ug/kg									
(3.95) Aldolcondensationproduc					700	J	ug/kg									
(5.33) Aldolcondensationproduc					330	J	ug/kg									
(3.85) Aldolcondensationproduc									160	J	ug/kg					
(4.02) Aldolcondensationproduc									550	J	ug/kg					
(5.35) Aldolcondensationproduc									910	J	ug/kg					
(3.52) Aldolcondensationproduc									150	J	ug/kg					
(4.43) Aldolcondensationproduc									35000	J	ug/kg					
(3.52) Aldolcondensationproduc													170	J	ug/kg	
(3.90) Aldolcondensationproduc													780	J	ug/kg	
(5.32) Aldolcondensationproduc													200	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR4S0				CF17BR4S2				CF17BR5S0				CF17BR5S2			
Collect Date:	11-NOV-93				11-NOV-93				12-NOV-93				12-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.80) Aldolcondensationproduc	260	U	ug/kg													
(4.38) Aldolcondensationproduc	51000	J	ug/kg													
(6.60) Ethanol,2-(2-Ethoxyetho	450	U	ug/kg													
(5.28) Aldolcondensationproduc	470	U	ug/kg													
(3.80) Aldolcondensationproduc					430	U	ug/kg									
(4.25) Aldolcondensationproduc					19000	J	ug/kg									
(5.27) Aldolcondensationproduc					140	U	ug/kg									
(6.58) Ethanol,2-(2-Ethoxyetho					300	U	ug/kg									
(3.82) Aldolcondensationproduc									750	U	ug/kg					
(4.30) Aldolcondensationproduc									27000	J	ug/kg					
(5.28) Aldolcondensationproduc									240	U	ug/kg					
(6.60) Ethanol,2-(2-Ethoxyetho									200	U	ug/kg					
(3.82) Aldolcondensationproduc													350	U	ug/kg	
(3.92) Aldolcondensationproduc													670	U	ug/kg	
(5.30) Aldolcondensationproduc													320	U	ug/kg	
(6.60) Ethanol,2-(2-Ethoxyetho													160	U	ug/kg	
(4.35) Aldolcondensationproduc													8900	J	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR6S0			CF17BR6S2			CF17BR7S0			CF17BR7S2R		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR6S0			CF17BR6S2			CF17BR7S0			CF17BR7S2RT		
Collect Date:	11-NOV-93			11-NOV-93			11-NOV-93			11-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.38) Aldolcondensationproduc	50000	J ug/kg										
(4.33) Aldolcondensationproduc				37000	J ug/kg							
(4.22) Aldolcondensationproduc							31000	J ug/kg				
(16.37) Ethylmethylbenzeneisom							14000	J ug/kg				
(19.05) 1,2-Dichlorobenzene							890	J ug/kg				
(3.15) Methanetrichlorofluoro-										20	J ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR8S0				CF17BR8S2				CF17BR9S0				CF17BR9S2			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17BR8S0				CF17BR8S2				CF17BR9S0				CF17BR9S2			
Collect Date:	12-NOV-93				12-NOV-93				11-NOV-93				11-NOV-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(3.85) Aldolcondensationproduc	1100	U	ug/kg													
(4.33) Aldolcondensationproduc	42000	J	ug/kg													
(5.28) Aldolcondensationproduc	360	U	ug/kg													
(3.80) Aldolcondensationproduc					510	U	ug/kg									
(3.90) Aldolcondensationproduc					730	U	ug/kg									
(4.35) Aldolcondensationproduc					41000	J	ug/kg									
(5.30) Aldolcondensationproduc					390	U	ug/kg									
(3.80) Aldolcondensationproduc									530	U	ug/kg					
(4.27) Aldolcondensationproduc									20000	J	ug/kg					
(5.27) Aldolcondensationproduc									170	U	ug/kg					
(6.58) Ethanol,2-(2-Ethoxyetho									200	U	ug/kg					
(3.80) Aldolcondensationproduc													290	U	ug/kg	
(3.90) Aldolcondensationproduc													640	U	ug/kg	
(4.35) Aldolcondensationproduc													32000	J	ug/kg	
(5.28) Aldolcondensationproduc													320	U	ug/kg	
(6.60) Ethanol,2-(2-Ethoxyetho													140	U	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR10S0			CF17BR10S2			CF17BR11S0			CF17BR11S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR10S0			CF17BR10S2			CF17BR11S0			CF17BR11S2		
Collect Date:	11-NOV-93			11-NOV-93			12-NOV-93			12-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(4.35) Aldolcondensationproduc	38000	J ug/kg										
(20.18) 1,2-Dichlorobenzene	9	J ug/kg										
(4.05) Aldolcondensationproduc				41000	J ug/kg							
(16.37) Ethylmethylbenzeneisom				16000	J ug/kg							
(16.58) Trimethylbenzeneisomer				12000	J ug/kg							
(18.00) 1,3-Dichlorobenzene				1600	J ug/kg							
(18.22) 1,4-Dichlorobenzene				1100	J ug/kg							
(15.97) Cyclohexaneisomer				23000	J ug/kg							
(19.07) 1,2-Dichlorobenzene				19000	J ug/kg							
(4.48) Aldolcondensationproduc							44000	U ug/kg				
(15.75) 3-Carene										380	J ug/kg	
(16.86) Cyclohexaneisomer										260	J ug/kg	
(4.47) Aldolcondensationproduc										36000	U ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	CF17MW25SI				J2624				J2622				J2623			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW25SIMSD				CF17MW26I				CF17MW27D				CF17MW28DD			
Collect Date:	11-JAN-94				12-JAN-94				12-JAN-94				12-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	2		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	3		ug/l	2	2	U	ug/l	2	2	U	ug/l	2	6	U	ug/l	6
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	10		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	10		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	10		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	10		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	10		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- VOLATILES

Lab Sample Number:	J0121				J0121RE			
Site	CECIL2				CECIL2			
Locator	CF17SC				CF17SCRE			
Collect Date:	30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	2	UJ	ug/l	2	2	UJ	ug/l	2
Bromomethane	2	UJ	ug/l	2	2	UJ	ug/l	2
Vinyl chloride	2	UJ	ug/l	2	2	UJ	ug/l	2
Chloroethane	2	UJ	ug/l	2	2	UJ	ug/l	2
Methylene chloride	1	UJ	ug/l	1	1	UJ	ug/l	1
Acetone	2	UJ	ug/l	2	2	UJ	ug/l	2
Carbon disulfide	1	UJ	ug/l	1	1	UJ	ug/l	1
1,1-Dichloroethene	1	UJ	ug/l	1	1	UJ	ug/l	1
1,1-Dichloroethane	1	UJ	ug/l	1	1	UJ	ug/l	1
1,2-Dichloroethene (total)	1	UJ	ug/l	1	1	UJ	ug/l	1
Chloroform	6	J	ug/l	2	6	J	ug/l	2
1,2-Dichloroethane	1	UJ	ug/l	1	1	UJ	ug/l	1
2-Butanone	2	UJ	ug/l	2	2	UJ	ug/l	2
1,1,1-Trichloroethane	1	UJ	ug/l	1	1	UJ	ug/l	1
Carbon tetrachloride	1	UJ	ug/l	1	1	UJ	ug/l	1
Bromodichloromethane	3	J	ug/l	1	3	J	ug/l	1
1,2-Dichloropropane	1	UJ	ug/l	1	1	UJ	ug/l	1
cis-1,3-Dichloropropene	1	UJ	ug/l	1	1	UJ	ug/l	1
Trichloroethene	1	UJ	ug/l	1	1	UJ	ug/l	1
Dibromochloromethane	1	J	ug/l	1	1	J	ug/l	1
1,1,2-Trichloroethane	1	UJ	ug/l	1	1	UJ	ug/l	1
Benzene	1	UJ	ug/l	1	1	UJ	ug/l	1
trans-1,3-Dichloropropene	1	UJ	ug/l	1	1	UJ	ug/l	1
Bromoform	1	UJ	ug/l	1	1	UJ	ug/l	1
4-Methyl-2-pentanone	2	R	ug/l	2	2	R	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	UJ	ug/l	1	1	UJ	ug/l	1
Toluene	1	UJ	ug/l	1	1	UJ	ug/l	1
1,1,2,2-Tetrachloroethane	1	UJ	ug/l	1	1	UJ	ug/l	1
Chlorobenzene	1	UJ	ug/l	1	1	UJ	ug/l	1
Ethylbenzene	1	UJ	ug/l	1	1	UJ	ug/l	1
Styrene	1	UJ	ug/l	1	1	UJ	ug/l	1
Xylenes (total)	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Collect Date:	27-DEC-93				27-DEC-93				27-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	.8	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	.8	J	ug/l	10	.6	J	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW16S				CF17MW17I				CF17MW18D				CF17MW18DR			
Collect Date:	27-DEC-93				27-DEC-93				27-DEC-93				27-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	1	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
^ = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW19S				CF17MW20I				CF17MW20ID				J1889			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW19S				CF17MW20I				CF17MW20ID				CF17MW21I			
Collect Date:	28-DEC-93				28-DEC-93				28-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW19S				CF17MW20I				CF17MW20ID				J1889			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW19S				CF17MW20I				CF17MW20ID				CF17MW21I			
Collect Date:	28-DEC-93				28-DEC-93				28-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J1889RE				J1890				J1890RE				J1891RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW21IRE				CF17MW22D				CF17MW22DRE				CF17MW22DRRE			
Collect Date:	10-JAN-94				10-JAN-94				10-JAN-94				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	5	J	ug/l	10	3	J	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J1889RE				J1890				J1890RE				J1891RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW21IRE				CF17MW22D				CF17MW22DRE				CF17MW22DRRE			
Collect Date:	10-JAN-94				10-JAN-94				10-JAN-94				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	1	J	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW23S				J2134				J2136				J2134DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW23S				CF17MW24S				CF17MW24SD				CF17MW24SDL			
Collect Date:	29-DEC-93				11-JAN-94				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	4900	R	ug/l	500	6300	J	ug/l	5000	4800	J	ug/l	5000
bis(2-Chloroethyl) ether	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2-Chlorophenol	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
1,3-Dichlorobenzene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
1,4-Dichlorobenzene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
1,2-Dichlorobenzene	10	U	ug/l	10	50	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2-Methylphenol	10	U	ug/l	10	15000	R	ug/l	500	22000	J	ug/l	5000	22000	J	ug/l	5000
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
4-Methylphenol	.7	J	ug/l	10	14000	R	ug/l	500	19000	J	ug/l	5000	19000	J	ug/l	5000
N-Nitroso-di-n-propylamine	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Hexachloroethane	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Nitrobenzene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Isophorone	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2-Nitrophenol	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4-Dimethylphenol	10	U	ug/l	10	4100	R	ug/l	500	5000	J	ug/l	5000	5000	UJ	ug/l	5000
bis(2-Chloroethoxy) methane	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4-Dichlorophenol	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
1,2,4-Trichlorobenzene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Naphthalene	10	U	ug/l	10	390	R	ug/l	500	360	J	ug/l	5000	410	J	ug/l	5000
4-Chloroaniline	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Hexachlorobutadiene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
4-Chloro-3-methylphenol	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2-Methylnaphthalene	10	U	ug/l	10	200	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Hexachlorocyclopentadiene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4,6-Trichlorophenol	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4,5-Trichlorophenol	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
2-Chloronaphthalene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2-Nitroaniline	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
Dimethylphthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Acenaphthylene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,6-Dinitrotoluene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
3-Nitroaniline	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
Acenaphthene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4-Dinitrophenol	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
4-Nitrophenol	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
Dibenzofuran	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
2,4-Dinitrotoluene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Diethylphthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
4-Chlorophenyl-phenylether	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Fluorene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
4-Nitroaniline	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
4-Bromophenyl-phenylether	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Hexachlorobenzene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Pentachlorophenol	25	U	ug/l	25	1200	R	ug/l	1200	12000	UJ	ug/l	12000	12000	UJ	ug/l	12000
Phenanthrene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Anthracene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Carbazole	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Di-n-butylphthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Fluoranthene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Pyrene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW23S				J2134				J2136				J2134DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW23S				CF17MW24S				CF17MW24SD				CF17MW24SDL			
Collect Date:	29-DEC-93				11-JAN-94				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
3,3-Dichlorobenzidine	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Benzo (a) anthracene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Chrysene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Di-n-octylphthalate	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Benzo (b) fluoranthene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Benzo (k) fluoranthene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Benzo (a) pyrene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Dibenz (a,h) anthracene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000
Benzo (g,h,i) perylene	10	U	ug/l	10	500	R	ug/l	500	5000	UJ	ug/l	5000	5000	UJ	ug/l	5000

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J2143				CF17MW25SI				CF17MW25SI				J2624		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF17MW25SI				CF17MW25SIMS				CF17MW25SIMSD				CF17MW26I		
Collect Date:	11-JAN-94				11-JAN-94				11-JAN-94				12-JAN-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	50		ug/l	10	50		ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	52		ug/l	10	52		ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	37		ug/l	10	36		ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	32		ug/l	10	30		ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	40		ug/l	10	41		ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	62		ug/l	10	64		ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	42		ug/l	10	43		ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	70		ug/l	25	70		ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	51		ug/l	10	52		ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	82		ug/l	25	93		ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	52		ug/l	10	49		ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J2143				CF17MW25SI				CF17MW25SI				J2624			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW25SI				CF17MW25SIMS				CF17MW25SIMSD				CF17MW26I			
Collect Date:	11-JAN-94				11-JAN-94				11-JAN-94				12-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	.6	J	ug/l	10	10	U	ug/l	10	.6	J	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J2622				J2623				J0122				J0121			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW27D				CF17MW28DD				CF17OF				CF17SC			
Collect Date:	12-JAN-94				12-JAN-94				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	2	J	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J2622				J2623				J0122				J0121			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW27D				CF17MW28DD				CF17OF				CF17SC			
Collect Date:	12-JAN-94				12-JAN-94				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	30	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:		J0121RE		
Site		CECIL2		
Locator		CF17SCRE		
Collect Date:		30-DEC-93		
	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	10	R	ug/l	10
bis(2-Chloroethyl) ether	10	R	ug/l	10
2-Chlorophenol	10	R	ug/l	10
1,3-Dichlorobenzene	10	R	ug/l	10
1,4-Dichlorobenzene	10	R	ug/l	10
1,2-Dichlorobenzene	10	R	ug/l	10
2-Methylphenol	10	R	ug/l	10
2,2-oxybis(1-Chloropropane)	10	R	ug/l	10
4-Methylphenol	10	R	ug/l	10
N-Nitroso-di-n-propylamine	10	R	ug/l	10
Hexachloroethane	10	R	ug/l	10
Nitrobenzene	10	R	ug/l	10
Isophorone	10	R	ug/l	10
2-Nitrophenol	10	R	ug/l	10
2,4-Dimethylphenol	10	R	ug/l	10
bis(2-Chloroethoxy) methane	10	R	ug/l	10
2,4-Dichlorophenol	10	R	ug/l	10
1,2,4-Trichlorobenzene	10	R	ug/l	10
Naphthalene	10	R	ug/l	10
4-Chloroaniline	10	R	ug/l	10
Hexachlorobutadiene	10	R	ug/l	10
4-Chloro-3-methylphenol	10	R	ug/l	10
2-Methylnaphthalene	10	R	ug/l	10
Hexachlorocyclopentadiene	10	R	ug/l	10
2,4,6-Trichlorophenol	10	R	ug/l	10
2,4,5-Trichlorophenol	25	R	ug/l	25
2-Chloronaphthalene	10	R	ug/l	10
2-Nitroaniline	25	R	ug/l	25
Dimethylphthalate	10	R	ug/l	10
Acenaphthylene	10	R	ug/l	10
2,6-Dinitrotoluene	10	R	ug/l	10
3-Nitroaniline	25	R	ug/l	25
Acenaphthene	10	R	ug/l	10
2,4-Dinitrophenol	25	R	ug/l	25
4-Nitrophenol	25	R	ug/l	25
Dibenzofuran	10	R	ug/l	10
2,4-Dinitrotoluene	10	R	ug/l	10
Diethylphthalate	10	R	ug/l	10
4-Chlorophenyl-phenylether	10	R	ug/l	10
Fluorene	10	R	ug/l	10
4-Nitroaniline	25	R	ug/l	25
4,6-Dinitro-2-methylphenol	25	R	ug/l	25
N-Nitrosodiphenylamine (1)	10	R	ug/l	10
4-Bromophenyl-phenylether	10	R	ug/l	10
Hexachlorobenzene	10	R	ug/l	10
Pentachlorophenol	25	R	ug/l	25
Phenanthrene	10	R	ug/l	10
Anthracene	10	R	ug/l	10
Carbazole	10	R	ug/l	10
Di-n-butylphthalate	2	J	ug/l	10
Fluoranthene	10	R	ug/l	10
Pyrene	10	R	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:		J0121RE		
Site		CECIL2		
Locator		CF17SCRE		
Collect Date:		30-DEC-93		
	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	R	ug/l	10
3,3-Dichlorobenzidine	10	R	ug/l	10
Benzo (a) anthracene	10	R	ug/l	10
Chrysene	10	R	ug/l	10
bis(2-Ethylhexyl) phthalate	10	R	ug/l	10
Di-n-octylphthalate	10	R	ug/l	10
Benzo (b) fluoranthene	10	R	ug/l	10
Benzo (k) fluoranthene	10	R	ug/l	10
Benzo (a) pyrene	10	R	ug/l	10
Indeno (1,2,3-cd) pyrene	10	R	ug/l	10
Dibenz (a,h) anthracene	10	R	ug/l	10
Benzo (g,h,i) perylene	10	R	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J1888				J1888RE				J0377				J0378			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1				CF17MW1RE				CF17MW4S				CF17MW5S			
Collect Date:	10-JAN-94				10-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	1	J	ug/l	10	200	UJ	ug/l	200	150	J	ug/l	200
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	1100	J	ug/l	200	6400	J	ug/l	200
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	85	J	ug/l	200	3400	J	ug/l	200
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Isophorone	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	1300	J	ug/l	200	1900	J	ug/l	200
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	13	J	ug/l	200	200	UJ	ug/l	200
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Fluorene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	500	UJ	ug/l	500	500	UJ	ug/l	500
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Anthracene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Carbazole	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Pyrene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J1888				J1888RE				J0377				J0378			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1				CF17MW1RE				CF17MW4S				CF17MW5S			
Collect Date:	10-JAN-94				10-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Chrysene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	1	J	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	200	UJ	ug/l	200	200	UJ	ug/l	200

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J0378DL				J0379				J0618				J0619			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW5SDL				CF17MW5SR				CF17MW6S				CF17MW6SD			
Collect Date:	03-JAN-94				03-JAN-94				04-JAN-94				04-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	2000	UJ	ug/l	2000	.8	J	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
bis(2-Chloroethyl) ether	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2-Chlorophenol	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
1,3-Dichlorobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
1,4-Dichlorobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
1,2-Dichlorobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2-Methylphenol	9100	J	ug/l	2000	.7	J	ug/l	10	660		ug/l	100	660		ug/l	100
2,2-oxybis(1-Chloropropane)	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
4-Methylphenol	4000	J	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
N-Nitroso-di-n-propylamine	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Hexachloroethane	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Nitrobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Isophorone	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2-Nitrophenol	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4-Dimethylphenol	2100	J	ug/l	2000	10	U	ug/l	10	470		ug/l	100	460		ug/l	100
bis(2-Chloroethoxy) methane	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4-Dichlorophenol	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
1,2,4-Trichlorobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Naphthalene	2000	UJ	ug/l	2000	10	U	ug/l	10	18	J	ug/l	100	18	J	ug/l	100
4-Chloroaniline	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Hexachlorobutadiene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
4-Chloro-3-methylphenol	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2-Methylnaphthalene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Hexachlorocyclopentadiene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4,6-Trichlorophenol	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4,5-Trichlorophenol	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
2-Chloronaphthalene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2-Nitroaniline	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
Dimethylphthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Acenaphthylene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,6-Dinitrotoluene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
3-Nitroaniline	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
Acenaphthene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4-Dinitrophenol	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
4-Nitrophenol	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
Dibenzofuran	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
2,4-Dinitrotoluene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Diethylphthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
4-Chlorophenyl-phenylether	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Fluorene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
4-Nitroaniline	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
4,6-Dinitro-2-methylphenol	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
N-Nitrosodiphenylamine (1)	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
4-Bromophenyl-phenylether	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Hexachlorobenzene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Pentachlorophenol	5000	UJ	ug/l	5000	25	U	ug/l	25	250	U	ug/l	250	250	U	ug/l	250
Phenanthrene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Anthracene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Carbazole	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Di-n-butylphthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Fluoranthene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Pyrene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J0378DL				J0379				J0618				J0619			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW5SDL				CF17MW5SR				CF17MW6S				CF17MW6SD			
Collect Date:	03-JAN-94				03-JAN-94				04-JAN-94				04-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
3,3-Dichlorobenzidine	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Benzo (a) anthracene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Chrysene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
bis(2-Ethylhexyl) phthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Di-n-octylphthalate	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Benzo (b) fluoranthene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Benzo (k) fluoranthene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Benzo (a) pyrene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Indeno (1,2,3-cd) pyrene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Dibenz (a,h) anthracene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100
Benzo (g,h,i) perylene	2000	UJ	ug/l	2000	10	U	ug/l	10	100	U	ug/l	100	100	U	ug/l	100

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
^ = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW7D				CF17MW7DMS				CF17MW7DMS				CF17MW8S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW7D				CF17MW7DMS				CF17MW7DMSD				CF17MW8S			
Collect Date:	30-DEC-93				30-DEC-93				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	62		ug/l	10	67		ug/l	10	10	UJ	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2-Chlorophenol	10	U	ug/l	10	56		ug/l	10	60		ug/l	10	10	UJ	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	37		ug/l	10	36		ug/l	10	10	UJ	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	37		ug/l	10	41		ug/l	10	10	UJ	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	41		ug/l	10	42		ug/l	10	10	UJ	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	64		ug/l	10	75		ug/l	10	10	UJ	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
Acenaphthene	10	U	ug/l	10	43		ug/l	10	47		ug/l	10	10	UJ	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
4-Nitrophenol	25	U	ug/l	25	56		ug/l	25	74		ug/l	25	25	UJ	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	43		ug/l	10	51		ug/l	10	10	UJ	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Pentachlorophenol	25	U	ug/l	25	73		ug/l	25	87		ug/l	25	25	UJ	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Pyrene	10	U	ug/l	10	59		ug/l	10	60		ug/l	10	10	UJ	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW7D				CF17MW7DMS				CF17MW7DMS				CF17MW8S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW7D				CF17MW7DMS				CF17MW7DMSD				CF17MW8S			
Collect Date:	30-DEC-93				30-DEC-93				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
bis(2-Ethylhexyl) phthalate	6	J	ug/l	10	10	U	ug/l	10	1	J	ug/l	10	10	UJ	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J0376				CF17MW10D				CF17MW11I				CF17MW11IR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW9S				CF17MW10D				CF17MW11I				CF17MW11IR			
Collect Date:	03-JAN-94				30-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	.8	J	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	J0376				CF17MW10D				CF17MW11I				CF17MW11IR			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW9S				CF17MW10D				CF17MW11I				CF17MW11IR			
Collect Date:	03-JAN-94				30-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Collect Date:	29-DEC-93				28-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW12D				CF17MW13S				CF17MW14I				CF17MW15D			
Collect Date:	29-DEC-93				28-DEC-93				29-DEC-93				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	.5	J	ug/l	10	.8	J	ug/l	10	4	J	ug/l	10	.8	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	J1888				J0377				J0378				J3079			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW1				CF17MW4S				CF17MW5S				CF17MW5SR			
Collect Date:	10-JAN-94				03-JAN-94				03-JAN-94				03-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.06	UJ	ug/l	.06	.1	UJ	ug/l	.1	.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.02	UJ	ug/l	.02	.05	U	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.02	UJ	ug/l	.02	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	.3	UJ	ug/l	.3	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	J0618				J0619				CF17MW7D				CF17MW7DMS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW6S				CF17MW6SD				CF17MW7D				CF17MW7DMS			
Collect Date:	04-JAN-94				04-JAN-94				30-DEC-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.01	UJ	ug/l	.01	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.48		ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.31		ug/l	.05
Aldrin	.01	UJ	ug/l	.01	.01	UJ	ug/l	.01	.05	U	ug/l	.05	.29		ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.01	UJ	ug/l	.01	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.78		ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.79		ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.62		ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.021	J	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW7DMS			CF17MW8S			J0376			CF17MW10D		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17MW7DMSD			CF17MW8S			CF17MW9S			CF17MW10D		
Collect Date:	30-DEC-93			30-DEC-93			03-JAN-94			30-DEC-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
beta-BHC	.016 J	ug/l	.05	.03 UJ	ug/l	.03	.038 J	ug/l	.05	.05 UJ	ug/l	.05
delta-BHC	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
gamma-BHC (Lindane)	.49	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Heptachlor	.37	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Aldrin	.33	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Heptachlor epoxide	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Endosulfan I	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Dieldrin	.81	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDE	.1 U	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endrin	.82	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endosulfan II	.1 U	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDD	.013 J	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endosulfan sulfate	.1 U	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDT	.7	ug/l	.1	.1 UJ	ug/l	.1	.1 R	ug/l	.1	.1 UJ	ug/l	.1
Methoxychlor	.5 U	ug/l	.5	.5 UJ	ug/l	.5	.5 UJ	ug/l	.5	.5 UJ	ug/l	.5
Endrin ketone	.016 J	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endrin aldehyde	.1 U	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
alpha-Chlordane	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
gamma-Chlordane	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Toxaphene	5 U	ug/l	5	5 UJ	ug/l	5	5 UJ	ug/l	5	5 UJ	ug/l	5
Aroclor-1016	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1221	2 U	ug/l	2	2 UJ	ug/l	2	2 UJ	ug/l	2	2 UJ	ug/l	2
Aroclor-1232	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1242	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1248	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1254	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1260	1 U	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW11I			CF17MW11IR			CF17MW12D			CF17MW13S		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17MW11I			CF17MW11IR			CF17MW12D			CF17MW13S		
Collect Date:	29-DEC-93			29-DEC-93			29-DEC-93			28-DEC-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
beta-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.018	J ug/l	.05
delta-BHC	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-BHC (Lindane)	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Heptachlor	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Aldrin	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.03	UJ ug/l	.03
Heptachlor epoxide	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Endosulfan I	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Dieldrin	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDE	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.02	UJ ug/l	.02
Endosulfan II	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDD	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endosulfan sulfate	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
4,4-DDT	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Methoxychlor	.5	UJ ug/l	.5	.5	U ug/l	.5	.5	UJ ug/l	.5	.5	UJ ug/l	.5
Endrin ketone	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
Endrin aldehyde	.1	UJ ug/l	.1	.1	U ug/l	.1	.1	UJ ug/l	.1	.1	UJ ug/l	.1
alpha-Chlordane	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
gamma-Chlordane	.05	UJ ug/l	.05	.05	U ug/l	.05	.05	UJ ug/l	.05	.05	UJ ug/l	.05
Toxaphene	5	UJ ug/l	5	5	U ug/l	5	5	UJ ug/l	5	5	UJ ug/l	5
Aroclor-1016	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1221	2	UJ ug/l	2	2	U ug/l	2	2	UJ ug/l	2	2	UJ ug/l	2
Aroclor-1232	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1242	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1248	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1254	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1
Aroclor-1260	1	UJ ug/l	1	1	U ug/l	1	1	UJ ug/l	1	1	UJ ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW14I			CF17MW15D			CF17MW16S			CF17MW17I		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17MW14I			CF17MW15D			CF17MW16S			CF17MW17I		
Collect Date:	29-DEC-93			29-DEC-93			27-DEC-93			27-DEC-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
beta-BHC	.07 UJ	ug/l	.07	.05 UJ	ug/l	.05	.04 UJ	ug/l	.04	.05 UJ	ug/l	.05
delta-BHC	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
gamma-BHC (Lindane)	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Heptachlor	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Aldrin	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Heptachlor epoxide	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Endosulfan I	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Dieldrin	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDE	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endrin	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endosulfan II	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDD	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endosulfan sulfate	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
4,4-DDT	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Methoxychlor	.5 UJ	ug/l	.5	.5 UJ	ug/l	.5	.5 UJ	ug/l	.5	.5 UJ	ug/l	.5
Endrin ketone	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
Endrin aldehyde	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1	.1 UJ	ug/l	.1
alpha-Chlordane	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
gamma-Chlordane	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05	.05 UJ	ug/l	.05
Toxaphene	5 UJ	ug/l	5	5 UJ	ug/l	5	5 UJ	ug/l	5	5 UJ	ug/l	5
Aroclor-1016	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1221	2 UJ	ug/l	2	2 UJ	ug/l	2	2 UJ	ug/l	2	2 UJ	ug/l	2
Aroclor-1232	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1242	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1248	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1254	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1
Aroclor-1260	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1	1 UJ	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	J2624			J0121		
Site	CECIL2			CECIL2		
Locator	CF17MW26I			CF17SC		
Collect Date:	12-JAN-94			30-DEC-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.						
(19.12) Sulfur,Mol.(S8)	4	J ug/l				
(3.78) Butane,2,3-Dichloro-2-M				16	J ug/l	
(4.58) 2-Propanol				140	J ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- VOLATILES

Lab Sample Number:	09734				09735				09734MS				09734MSD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1MS				CF17SW1MSD			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	11		ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- VOLATILES

Lab Sample Number:	09738			
Site	CECIL2			
Locator	CF17SW1T			
Collect Date:	01-JUL-94			
	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	2	U	ug/l	2
Bromomethane	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2
Chloroethane	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1
Acetone	10		ug/l	2
Carbon disulfide	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1
Chloroform	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1
2-Butanone	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1
Benzene	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1
Bromoform	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1
Toluene	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1
Styrene	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	09734				09735				09735RE				09734MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1DRE				CF17SW1MS			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	1	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	51		ug/l	10
bis(2-Chloroethyl) ether	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	52		ug/l	10
1,3-Dichlorobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	21		ug/l	10
1,2-Dichlorobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2-Methylphenol	1	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	.7	J	ug/l	10
2,2-oxybis(1-Chloropropane)	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	29		ug/l	10
Hexachloroethane	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Isophorone	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	16		ug/l	10
Naphthalene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	58		ug/l	10
2-Methylnaphthalene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	R	ug/l	25	25	R	ug/l	25	25	R	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	R	ug/l	25	25	R	ug/l	25	25	R	ug/l	25	25	U	ug/l	25
Acenaphthene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	13		ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	52		ug/l	25
Dibenzofuran	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	39		ug/l	10
Diethylphthalate	.5	J	ug/l	10	10	R	ug/l	10	.5	J	ug/l	10	.5	J	ug/l	10
4-Chlorophenyl-phenylether	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Fluorene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	R	ug/l	25	25	R	ug/l	25	25	R	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	18	J	ug/l	25
Phenanthrene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Anthracene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Carbazole	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	1	J	ug/l	10	.6	J	ug/l	10	10	R	ug/l	10	.8	J	ug/l	10
Fluoranthene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Pyrene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	4	J	ug/l	10
Butylbenzylphthalate	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	09734				09735				09735RE				09734MS			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1DRE				CF17SW1MS			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Chrysene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	4	J	ug/l	10
Di-n-octylphthalate	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	R	ug/l	10	10	R	ug/l	10	10	R	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	09734MSD			
Site	CECIL2			
Locator	CF17SW1MSD			
Collect Date:	01-JUL-94			
	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	56		ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10
2-Chlorophenol	56		ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10
1,4-Dichlorobenzene	24		ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10
2-Methylphenol	.6	J	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10
N-Nitroso-di-n-propylamine	31		ug/l	10
Hexachloroethane	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10
Isophorone	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10
1,2,4-Trichlorobenzene	16		ug/l	10
Naphthalene	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10
4-Chloro-3-methylphenol	56		ug/l	10
2-Methylnaphthalene	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25
Acenaphthene	14		ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25
4-Nitrophenol	44		ug/l	25
Dibenzofuran	10	U	ug/l	10
2,4-Dinitrotoluene	40		ug/l	10
Diethylphthalate	.6	J	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	15	J	ug/l	25
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Carbazole	10	U	ug/l	10
Di-n-butylphthalate	.6	J	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	4	J	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- SEMIVOLATILES

Lab Sample Number:	09734MSD			
Site	CECIL2			
Locator	CF17SW1MSD			
Collect Date:	01-JUL-94			
	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	1	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- PESTICIDES AND PCBs

Lab Sample Number:	09734				09735				09734MS				09734MSD			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D				CF17SW1MS				CF17SW1MSD			
Collect Date:	01-JUL-94				01-JUL-94				01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.34		ug/l	.05	.36		ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.24		ug/l	.05	.22		ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.16		ug/l	.05	.13		ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.43		ug/l	.1	.4		ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.44		ug/l	.1	.42		ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.36		ug/l	.1	.27		ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SURFACE WATER -- METALS AND CYANIDE

Lab Sample Number:	09734				09735			
Site	CECIL2				CECIL2			
Locator	CF17SW1				CF17SW1D			
Collect Date:	01-JUL-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	32100	J	ug/l	200	9180	J	ug/l	200
Antimony	3	U	ug/l	60	6.9		ug/l	60
Arsenic	7.8		ug/l	10	6.7		ug/l	10
Barium	159		ug/l	200	63.9		ug/l	200
Beryllium	1	U	ug/l	5	6		ug/l	5
Cadmium	1	U	ug/l	5	5.8		ug/l	5
Calcium	27200	J	ug/l	5000	13300	J	ug/l	5000
Chromium	26.4	J	ug/l	10	13	J	ug/l	10
Cobalt	3		ug/l	50	6.1		ug/l	50
Copper	23.9		ug/l	25	46.6		ug/l	25
Iron	13000	J	ug/l	100	3680	J	ug/l	100
Lead	71.9	J	ug/l	3	41.8	J	ug/l	3
Magnesium	2460		ug/l	5000	2170		ug/l	5000
Manganese	74		ug/l	15	35.6		ug/l	15
Mercury	.58		ug/l	.2	.54		ug/l	.2
Nickel	9.4		ug/l	40	8.6		ug/l	40
Potassium	1750		ug/l	5000	707		ug/l	5000
Selenium	4.6		ug/l	5	1.7		ug/l	5
Silver	1	U	ug/l	10	5.1		ug/l	10
Sodium	8940		ug/l	5000	7900		ug/l	5000
Thallium	5	U	ug/l	10	12.8		ug/l	10
Vanadium	40.3		ug/l	50	17.6		ug/l	50
Zinc	110	J	ug/l	20	50	J	ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- VOLATILES

Lab Sample Number:	08796				08800				08811				08814			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD1T			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Acetone	35	U	ug/kg	35	45	U	ug/kg	45	2	U	ug/l	2	15		ug/l	2
Carbon disulfide	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Chloroform	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	4	J	ug/kg	17	4	J	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Benzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Bromoform	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	17	U	ug/kg	17	18	U	ug/kg	18	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Toluene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Styrene	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	8	U	ug/kg	8	9	U	ug/kg	9	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- VOLATILES

Lab Sample Number:	08805				08805MS				08805MSD			
Site	CECIL2				CECIL2				CECIL2			
Locator	CF17SD2				CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Bromomethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Vinyl chloride	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Chloroethane	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Methylene chloride	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Acetone	26	U	ug/kg	26	49		ug/kg	26	86		ug/kg	26
Carbon disulfide	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,1-Dichloroethene	13	U	ug/kg	13	120		ug/kg	26	110		ug/kg	26
1,1-Dichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloroethene (total)	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Chloroform	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
2-Butanone	26	U	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
1,1,1-Trichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Carbon tetrachloride	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Bromodichloromethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,2-Dichloropropane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
cis-1,3-Dichloropropene	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Trichloroethene	13	U	ug/kg	13	120		ug/kg	26	120		ug/kg	26
Dibromochloromethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
1,1,2-Trichloroethane	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Benzene	13	U	ug/kg	13	140		ug/kg	26	130		ug/kg	26
trans-1,3-Dichloropropene	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Bromoform	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
4-Methyl-2-pentanone	26	UJ	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
2-Hexanone	26	UJ	ug/kg	26	26	U	ug/kg	26	26	U	ug/kg	26
Tetrachloroethene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Toluene	13	UJ	ug/kg	13	160		ug/kg	26	150		ug/kg	26
1,1,2,2-Tetrachloroethane	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Chlorobenzene	13	UJ	ug/kg	13	120		ug/kg	26	120		ug/kg	26
Ethylbenzene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Styrene	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Xylenes (total)	13	UJ	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW																
Phenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Chloroethyl) ether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Chlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,3-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,4-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,2-Dichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Methylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,2-oxybis(1-Chloropropane)	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Methylphenol	37	J	ug/kg	550	87	J	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
N-Nitroso-di-n-propylamine	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachloroethane	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Nitrobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Isophorone	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Nitrophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dimethylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Chloroethoxy) methane	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dichlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
1,2,4-Trichlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Naphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Chloroaniline	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorobutadiene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Chloro-3-methylphenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Methylnaphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorocyclopentadiene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4,6-Trichlorophenol	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4,5-Trichlorophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
2-Chloronaphthalene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Dimethylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Acenaphthylene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,6-Dinitrotoluene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
3-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Acenaphthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dinitrophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
4-Nitrophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
Dibenzofuran	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
2,4-Dinitrotoluene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Diethylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	48	J	ug/kg	850
4-Chlorophenyl-phenylether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Fluorene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Nitroaniline	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
4,6-Dinitro-2-methylphenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	2000	U	ug/kg	2000
N-Nitrosodiphenylamine (1)	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
4-Bromophenyl-phenylether	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Hexachlorobenzene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Pentachlorophenol	1300	U	ug/kg	1300	1400	U	ug/kg	1400	25	U	ug/l	25	53	J	ug/kg	2000
Phenanthrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Carbazole	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Di-n-butylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Butylbenzylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (a) anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Chrysene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
bis(2-Ethylhexyl) phthalate	550	U	ug/kg	550	590	U	ug/kg	590	1	J	ug/l	10	850	U	ug/kg	850
Di-n-octylphthalate	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (b) fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (k) fluoranthene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (a) pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Indeno (1,2,3-cd) pyrene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Dibenz (a,h) anthracene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850
Benzo (g,h,i) perylene	550	U	ug/kg	550	590	U	ug/kg	590	10	U	ug/l	10	850	U	ug/kg	850

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP SEMIVOLATILES 90-SOW								
Phenol	4100		ug/kg	850	4800		ug/kg	850
bis(2-Chloroethyl) ether	850	U	ug/kg	850	850	U	ug/kg	850
2-Chlorophenol	4800		ug/kg	850	4600		ug/kg	850
1,3-Dichlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
1,4-Dichlorobenzene	2700		ug/kg	850	2600		ug/kg	850
1,2-Dichlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
2-Methylphenol	850	U	ug/kg	850	85	J	ug/kg	850
2,2-oxybis(1-Chloropropane)	850	U	ug/kg	850	850	U	ug/kg	850
4-Methylphenol	850	U	ug/kg	850	850	U	ug/kg	850
N-Nitroso-di-n-propylamine	2900		ug/kg	850	2900		ug/kg	850
Hexachloroethane	850	U	ug/kg	850	850	U	ug/kg	850
Nitrobenzene	850	U	ug/kg	850	850	U	ug/kg	850
Isophorone	850	U	ug/kg	850	850	U	ug/kg	850
2-Nitrophenol	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dimethylphenol	850	U	ug/kg	850	850	U	ug/kg	850
bis(2-Chloroethoxy) methane	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dichlorophenol	850	U	ug/kg	850	850	U	ug/kg	850
1,2,4-Trichlorobenzene	3200		ug/kg	850	3100		ug/kg	850
Naphthalene	850	U	ug/kg	850	850	U	ug/kg	850
4-Chloroaniline	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorobutadiene	850	U	ug/kg	850	850	U	ug/kg	850
4-Chloro-3-methylphenol	4800		ug/kg	850	5300		ug/kg	850
2-Methylnaphthalene	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorocyclopentadiene	850	U	ug/kg	850	850	U	ug/kg	850
2,4,6-Trichlorophenol	850	U	ug/kg	850	850	U	ug/kg	850
2,4,5-Trichlorophenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
2-Chloronaphthalene	850	U	ug/kg	850	850	U	ug/kg	850
2-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
Dimethylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
Acenaphthylene	850	U	ug/kg	850	850	U	ug/kg	850
2,6-Dinitrotoluene	850	U	ug/kg	850	850	U	ug/kg	850
3-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
Acenaphthene	3800		ug/kg	850	3900		ug/kg	850
2,4-Dinitrophenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
4-Nitrophenol	3800		ug/kg	2000	4500		ug/kg	2000
Dibenzofuran	850	U	ug/kg	850	850	U	ug/kg	850
2,4-Dinitrotoluene	3400		ug/kg	850	3700		ug/kg	850
Diethylphthalate	850	U	ug/kg	850	46	J	ug/kg	850
4-Chlorophenyl-phenylether	850	U	ug/kg	850	850	U	ug/kg	850
Fluorene	850	U	ug/kg	850	850	U	ug/kg	850
4-Nitroaniline	2000	U	ug/kg	2000	2000	U	ug/kg	2000
4,6-Dinitro-2-methylphenol	2000	U	ug/kg	2000	2000	U	ug/kg	2000
N-Nitrosodiphenylamine (1)	850	U	ug/kg	850	850	U	ug/kg	850
4-Bromophenyl-phenylether	850	U	ug/kg	850	850	U	ug/kg	850
Hexachlorobenzene	850	U	ug/kg	850	850	U	ug/kg	850
Pentachlorophenol	6100		ug/kg	2000	6800		ug/kg	2000
Phenanthrene	850	U	ug/kg	850	850	U	ug/kg	850
Anthracene	850	U	ug/kg	850	850	U	ug/kg	850
Carbazole	850	U	ug/kg	850	850	U	ug/kg	850
Di-n-butylphthalate	510	J	ug/kg	850	920		ug/kg	850
Fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
Pyrene	3000		ug/kg	850	3000		ug/kg	850

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- SEMIVOLATILES

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
utylbenzylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
,3-Dichlorobenzidine	850	U	ug/kg	850	850	U	ug/kg	850
enzo (a) anthracene	850	U	ug/kg	850	850	U	ug/kg	850
hrysene	850	U	ug/kg	850	850	U	ug/kg	850
is(2-Ethylhexyl) phthalate	77	J	ug/kg	850	82	J	ug/kg	850
i-n-octylphthalate	850	U	ug/kg	850	850	U	ug/kg	850
enzo (b) fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
enzo (k) fluoranthene	850	U	ug/kg	850	850	U	ug/kg	850
enzo (a) pyrene	850	U	ug/kg	850	850	U	ug/kg	850
ndeno (1,2,3-cd) pyrene	850	U	ug/kg	850	850	U	ug/kg	850
ibenz (a,h) anthracene	850	U	ug/kg	850	850	U	ug/kg	850
enzo (g,h,i) perylene	850	U	ug/kg	850	850	U	ug/kg	850

U = NOT DETECTED J = ESTIMATED VALUE
UJ = R[illegible]RTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = R[illegible] IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
.P PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
beta-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
delta-BHC	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
gamma-BHC (Lindane)	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Heptachlor	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Aldrin	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Heptachlor epoxide	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.004	J	ug/l	.05	4.4	UJ	ug/kg	4.4
Endosulfan I	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Dieldrin	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDE	.55	J	ug/kg	5	.7	J	ug/kg	6	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endrin	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endosulfan II	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.01	J	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDD	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endosulfan sulfate	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
4,4-DDT	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Methoxychlor	28	U	ug/kg	28	30	UJ	ug/kg	30	.5	U	ug/l	.5	44	UJ	ug/kg	44
Endrin ketone	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
Endrin aldehyde	5.5	U	ug/kg	5.5	5.9	UJ	ug/kg	5.9	.1	U	ug/l	.1	8.5	UJ	ug/kg	8.5
alpha-Chlordane	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
gamma-Chlordane	2.8	U	ug/kg	2.8	3	UJ	ug/kg	3	.05	U	ug/l	.05	4.4	UJ	ug/kg	4.4
Toxaphene	280	U	ug/kg	280	300	UJ	ug/kg	300	5	U	ug/l	5	440	UJ	ug/kg	440
Aroclor-1016	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1221	110	U	ug/kg	110	120	UJ	ug/kg	120	2	U	ug/l	2	170	UJ	ug/kg	170
Aroclor-1232	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1242	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1248	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1254	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85
Aroclor-1260	55	U	ug/kg	55	59	UJ	ug/kg	59	1	U	ug/l	1	85	UJ	ug/kg	85

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- PESTICIDES AND PCBs

Lab Sample Number:	08805MS				08805MSD			
Site	CECIL2				CECIL2			
Locator	CF17SD2MS				CF17SD2MSD			
Collect Date:	29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P PESTICIDES/PCBS 90-SOW								
alpha-BHC	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
beta-BHC	2	J	ug/kg	4	4.4	U	ug/kg	4.4
delta-BHC	1.3	J	ug/kg	4	4.4	U	ug/kg	4.4
gamma-BHC (Lindane)	23		ug/kg	4	29		ug/kg	4
Heptachlor	30		ug/kg	4	40		ug/kg	4
Aldrin	22		ug/kg	4	33		ug/kg	4
Heptachlor epoxide	2.1	J	ug/kg	4	4.4	U	ug/kg	4.4
Endosulfan I	2.7	J	ug/kg	4	4.4	U	ug/kg	4.4
Dieldrin	54		ug/kg	8	60		ug/kg	8
4,4-DDE	1.4	J	ug/kg	8	8.5	U	ug/kg	8.5
Endrin	54		ug/kg	8	61		ug/kg	8
Endosulfan II	5	J	ug/kg	8	8.5	U	ug/kg	8.5
4,4-DDD	1	J	ug/kg	8	8.5	U	ug/kg	8.5
Endosulfan sulfate	1.7	J	ug/kg	8	8.5	U	ug/kg	8.5
4,4-DDT	49		ug/kg	8	57		ug/kg	8
Methoxychlor	4.4	J	ug/kg	44	44	U	ug/kg	44
Endrin ketone	8.5	U	ug/kg	8.5	8.5	U	ug/kg	8.5
Endrin aldehyde	8.5	U	ug/kg	8.5	8.5	U	ug/kg	8.5
alpha-Chlordane	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
gamma-Chlordane	4.4	U	ug/kg	4.4	4.4	U	ug/kg	4.4
Toxaphene	440	U	ug/kg	440	440	U	ug/kg	440
Aroclor-1016	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1221	170	U	ug/kg	170	170	U	ug/kg	170
Aroclor-1232	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1242	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1248	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1254	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1260	85	U	ug/kg	85	85	U	ug/kg	85

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R = R[illegible] T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SEDIMENT -- METALS AND CYANIDE

Lab Sample Number:	08796				08800				08811				08805			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17SD1				CF17SD1D				CF17SD1R				CF17SD2			
Collect Date:	29-JUN-94				29-JUN-94				29-JUN-94				29-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P METALS AND CYANIDE																
Aluminum	1000		mg/kg	40	1160		mg/kg	40	56.2		ug/l	200	11100		mg/kg	40
Antimony	.99	UJ	mg/kg	12	1.1	UJ	mg/kg	12	3	U	ug/l	60	1.5	UJ	mg/kg	12
Arsenic	.99	U	mg/kg	2	1.1	U	mg/kg	2	3	U	ug/l	10	2.1		mg/kg	2
Barium	4.9		mg/kg	40	6		mg/kg	40	1.3		ug/l	200	59.1		mg/kg	40
Beryllium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	.51	U	mg/kg	1
Cadmium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	.95		mg/kg	1
Calcium	709		mg/kg	1000	820		mg/kg	1000	62.1		ug/l	5000	9020		mg/kg	1000
Chromium	1.7	U	mg/kg	2	1.9	U	mg/kg	2	1	U	ug/l	10	10.4		mg/kg	2
Cobalt	.33	U	mg/kg	10	.36	U	mg/kg	10	1	U	ug/l	50	.51	U	mg/kg	10
Copper	.95	U	mg/kg	5	1	U	mg/kg	5	1		ug/l	25	5.1		mg/kg	5
Iron	173		mg/kg	20	195		mg/kg	20	28		ug/l	100	4250		mg/kg	20
Lead	4.1	J	mg/kg	1	5.9	J	mg/kg	1	2	U	ug/l	3	30.6	J	mg/kg	1
Magnesium	58.7	U	mg/kg	1000	63.2	U	mg/kg	1000	36.9		ug/l	5000	272		mg/kg	1000
Manganese	1.9		mg/kg	3	2		mg/kg	3	1	U	ug/l	15	91		mg/kg	3
Mercury	.17	U	mg/kg	.1	.18	U	mg/kg	.1	.2	U	ug/l	.2	.26	U	mg/kg	.1
Nickel	.66	U	mg/kg	8	.71	U	mg/kg	8	2	U	ug/l	40	3.9		mg/kg	8
Potassium	62.5	U	mg/kg	1000	67.3	U	mg/kg	1000	189	U	ug/l	5000	96.9	U	mg/kg	1000
Selenium	.33	U	mg/kg	1	.36	U	mg/kg	1	1	U	ug/l	5	1.8	J	mg/kg	1
Silver	.33	U	mg/kg	2	.36	U	mg/kg	2	1	U	ug/l	10	.52	U	mg/kg	2
Sodium	197	J	mg/kg	1000	169	U	mg/kg	1000	104		ug/l	5000	338	J	mg/kg	1000
Thallium	1.7	U	mg/kg	2	1.8	U	mg/kg	2	5	U	ug/l	10	2.6	U	mg/kg	2
Vanadium	2.5		mg/kg	10	2.4		mg/kg	10	1	U	ug/l	50	10.4		mg/kg	10
Zinc	4.8	U	mg/kg	4	5.2	U	mg/kg	4	4.5		ug/l	20	127	J	mg/kg	4
Cyanide	.78	U	mg/kg	1	.87	U	mg/kg	1	10	U	ug/l	10	1.3	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

SITES 5 AND 17 EARTHWORM TISSUE DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059013				G5059015				G5059019				G5059018		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF5SS13				CF5SS15				CF5SS19				CF5SS20		
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
bis(2-Chloroethyl) ether	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2-Chlorophenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
1,3-Dichlorobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
1,4-Dichlorobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
1,2-Dichlorobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2-Methylphenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,2-oxybis(1-Chloropropane)	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Methylphenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
N-Nitroso-di-n-propylamine	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Hexachloroethane	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Nitrobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Isophorone	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2-Nitrophenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4-Dimethylphenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
bis(2-Chloroethoxy) methane	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4-Dichlorophenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
1,2,4-Trichlorobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Naphthalene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Chloroaniline	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Hexachlorobutadiene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Chloro-3-methylphenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2-Methylnaphthalene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Hexachlorocyclopentadiene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4,6-Trichlorophenol	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4,5-Trichlorophenol	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
2-Chloronaphthalene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2-Nitroaniline	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
Dimethylphthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Acenaphthylene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,6-Dinitrotoluene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
3-Nitroaniline	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
Acenaphthene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4-Dinitrophenol	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
4-Nitrophenol	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
Dibenzofuran	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
2,4-Dinitrotoluene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Diethylphthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Chlorophenyl-phenylether	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Fluorene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Nitroaniline	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
4,6-Dinitro-2-methylphenol	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
N-Nitrosodiphenylamine (1)	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
4-Bromophenyl-phenylether	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Hexachlorobenzene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Pentachlorophenol	-				25000	U	ug/kg	25000	25000	U	ug/kg	25000	25000	U	ug/kg	25000
Phenanthrene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Anthracene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Carbazole	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Di-n-butylphthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Fluoranthene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Pyrene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Butylbenzylphthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059013				G5059015				G5059019				G5059018			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS15				CF5SS19				CF5SS20			
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Benzo (a) anthracene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Chrysene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
bis(2-Ethylhexyl) phthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Di-n-octylphthalate	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Benzo (b) fluoranthene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Benzo (k) fluoranthene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Benzo (a) pyrene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Indeno (1,2,3-cd) pyrene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Dibenz (a,h) anthracene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
Benzo (g,h,i) perylene	-				10000	U	ug/kg	10000	10000	U	ug/kg	10000	10000	U	ug/kg	10000
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
beta-BHC	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
delta-BHC	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
gamma-BHC (Lindane)	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Heptachlor	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Aldrin	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Heptachlor epoxide	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Endosulfan I	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Dieldrin	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
4,4-DDE	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
Endrin	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
Endosulfan II	36	UJ	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
4,4-DDD	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
Endosulfan sulfate	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
4,4-DDT	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
Methoxychlor	180	R	ug/kg	180	230	UJ	ug/kg	230	220	UJ	ug/kg	220	190	UJ	ug/kg	190
Endrin ketone	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
Endrin aldehyde	36	R	ug/kg	36	46	UJ	ug/kg	46	43	UJ	ug/kg	43	37	UJ	ug/kg	37
alpha-Chlordane	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
gamma-Chlordane	18	UJ	ug/kg	18	23	UJ	ug/kg	23	22	UJ	ug/kg	22	19	UJ	ug/kg	19
Toxaphene	1800	UJ	ug/kg	1800	2300	UJ	ug/kg	2300	2200	UJ	ug/kg	2200	1900	UJ	ug/kg	1900
Aroclor-1016	360	UJ	ug/kg	360	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
Aroclor-1221	720	UJ	ug/kg	720	920	UJ	ug/kg	920	870	UJ	ug/kg	870	740	UJ	ug/kg	740
Aroclor-1232	360	UJ	ug/kg	360	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
Aroclor-1242	360	UJ	ug/kg	360	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
Aroclor-1248	360	UJ	ug/kg	360	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
Aroclor-1254	360	UJ	ug/kg	360	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
Aroclor-1260	1000	J	ug/kg	350	460	UJ	ug/kg	460	430	UJ	ug/kg	430	370	UJ	ug/kg	370
CLP METALS AND CYANIDE																
Aluminum	236		mg/kg	40	232		mg/kg	40	160		mg/kg	40	495		mg/kg	40
Antimony	1.3	U	mg/kg	12	1.4		mg/kg	12	1.1	U	mg/kg	12	1.5	J	mg/kg	12
Arsenic	1.1	UJ	mg/kg	2	1.3	J	mg/kg	2	1.1	UJ	mg/kg	2	1.1	UJ	mg/kg	2
Barium	.5		mg/kg	40	1.1		mg/kg	40	.71		mg/kg	40	5.8		mg/kg	40
Beryllium	.02	U	mg/kg	1	.02	U	mg/kg	1	.02	U	mg/kg	1	.04		mg/kg	1
Cadmium	.64		mg/kg	1	.62		mg/kg	1	.36	J	mg/kg	1	.33	U	mg/kg	1
Calcium	639		mg/kg	1000	1370		mg/kg	1000	9290		mg/kg	1000	19700		mg/kg	1000
Chromium	.46	J	mg/kg	2	1.2		mg/kg	2	.46		mg/kg	2	1.1		mg/kg	2
Cobalt	1.1		mg/kg	10	.77	J	mg/kg	10	.72		mg/kg	10	.74	J	mg/kg	10
Copper	1.5		mg/kg	5	2.1		mg/kg	5	2		mg/kg	5	3.9		mg/kg	5
Iron	93.2		mg/kg	20	152		mg/kg	20	112		mg/kg	20	303		mg/kg	20

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059013				G5059015				G5059019				G5059018			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS13				CF5SS15				CF5SS19				CF5SS20			
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Lead	9.1		mg/kg	1	2.9		mg/kg	1	.98		mg/kg	1	7.3		mg/kg	1
Magnesium	123		mg/kg	1000	258		mg/kg	1000	181		mg/kg	1000	380		mg/kg	1000
Manganese	2.3		mg/kg	3	3.4		mg/kg	3	3.5		mg/kg	3	11.7		mg/kg	3
Mercury	.05	U	mg/kg	.1	.07	U	mg/kg	.1	.03	U	mg/kg	.1	.04	U	mg/kg	.1
Nickel	.95	U	mg/kg	8	.91	U	mg/kg	8	.86	U	mg/kg	8	1.3	J	mg/kg	8
Potassium	1320		mg/kg	1000	1320		mg/kg	1000	1290		mg/kg	1000	1270		mg/kg	1000
Selenium	.97	UJ	mg/kg	1	1	UJ	mg/kg	1	.98	UJ	mg/kg	1	1	UJ	mg/kg	1
Silver	.25	UJ	mg/kg	2	.24	UJ	mg/kg	2	.23	UJ	mg/kg	2	.25	UJ	mg/kg	2
Sodium	762		mg/kg	1000	774		mg/kg	1000	747		mg/kg	1000	655		mg/kg	1000
Thallium	.68	U	mg/kg	2	.7	U	mg/kg	2	.68	U	mg/kg	2	.7	U	mg/kg	2
Vanadium	.42	J	mg/kg	10	.21	J	mg/kg	10	.38	J	mg/kg	10	.94		mg/kg	10
Zinc	20.7	J	mg/kg	4	23.9	J	mg/kg	4	19.4	J	mg/kg	4	28.2	J	mg/kg	4
Cyanide	-				-				-				1		mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059017				G5059003				G5059005				G5059023			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF17SS8				CF17SS10				CONTROLCOMP			
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
bis(2-Chloroethyl) ether	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2-Chlorophenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
1,3-Dichlorobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
1,4-Dichlorobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
1,2-Dichlorobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2-Methylphenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,2-oxybis(1-Chloropropane)	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Methylphenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
N-Nitroso-di-n-propylamine	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Hexachloroethane	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Nitrobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Isophorone	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2-Nitrophenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4-Dimethylphenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
bis(2-Chloroethoxy) methane	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4-Dichlorophenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
1,2,4-Trichlorobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Naphthalene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Chloroaniline	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Hexachlorobutadiene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Chloro-3-methylphenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2-Methylnaphthalene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Hexachlorocyclopentadiene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4,6-Trichlorophenol	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4,5-Trichlorophenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
2-Chloronaphthalene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2-Nitroaniline	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
Dimethylphthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Acenaphthylene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,6-Dinitrotoluene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
3-Nitroaniline	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
Acenaphthene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4-Dinitrophenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
4-Nitrophenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
Dibenzofuran	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
2,4-Dinitrotoluene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Diethylphthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Chlorophenyl-phenylether	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Fluorene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Nitroaniline	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
4,6-Dinitro-2-methylphenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
N-Nitrosodiphenylamine (1)	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
4-Bromophenyl-phenylether	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Hexachlorobenzene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Pentachlorophenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	31000	U	ug/kg	31000	25000	U	ug/kg	25000
Phenanthrene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Anthracene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Carbazole	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Di-n-butylphthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Fluoranthene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Pyrene	10000	U	ug/kg	10000	10000	U	ug	10000	12000	U	ug/kg	12000	10000	U	ug/kg	

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059017				G5059003				G5059005				G5059023			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF17SS8				CF17SS10				CONTROLCOMP			
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
3,3-Dichlorobenzidine	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Benzo (a) anthracene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Chrysene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
bis(2-Ethylhexyl) phthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Di-n-octylphthalate	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Benzo (b) fluoranthene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Benzo (k) fluoranthene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Benzo (a) pyrene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Indeno (1,2,3-cd) pyrene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Dibenz (a,h) anthracene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
Benzo (g,h,i) perylene	10000	U	ug/kg	10000	10000	U	ug/kg	10000	12000	U	ug/kg	12000	10000	U	ug/kg	10000
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
beta-BHC	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
delta-BHC	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
gamma-BHC (Lindane)	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Heptachlor	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Aldrin	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Heptachlor epoxide	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Endosulfan I	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Dieldrin	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
4,4-DDE	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
Endrin	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
Endosulfan II	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
4,4-DDD	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
Endosulfan sulfate	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
4,4-DDT	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
Methoxychlor	190	UJ	ug/kg	190	-				-				73	UJ	ug/kg	73
Endrin ketone	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
Endrin aldehyde	37	UJ	ug/kg	37	-				-				14	UJ	ug/kg	14
alpha-Chlordane	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
gamma-Chlordane	19	UJ	ug/kg	19	-				-				7.3	UJ	ug/kg	7.3
Toxaphene	1900	UJ	ug/kg	1900	-				-				730	UJ	ug/kg	730
Aroclor-1016	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
Aroclor-1221	760	UJ	ug/kg	760	-				-				290	UJ	ug/kg	290
Aroclor-1232	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
Aroclor-1242	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
Aroclor-1248	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
Aroclor-1254	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
Aroclor-1260	370	UJ	ug/kg	370	-				-				140	UJ	ug/kg	140
LP METALS AND CYANIDE																
Aluminum	209		mg/kg	40	244		mg/kg	40	49		mg/kg	40	-			
Antimony	1.2	U	mg/kg	12	1.5	U	mg/kg	12	2.3	U	mg/kg	12	-			
Arsenic	1.6	J	mg/kg	2	2.4	J	mg/kg	2	3.1	J	mg/kg	2	-			
Barium	1.1		mg/kg	40	1.6		mg/kg	40	.38		mg/kg	40	-			
Beryllium	.02	J	mg/kg	1	.03	J	mg/kg	1	.04	J	mg/kg	1	-			
Cadmium	1		mg/kg	1	.45	J	mg/kg	1	1.1		mg/kg	1	-			
Calcium	3670		mg/kg	1000	1130		mg/kg	1000	834		mg/kg	1000	-			
Chromium	.63	J	mg/kg	2	1.2		mg/kg	2	.68		mg/kg	2	-			
Cobalt	1		mg/kg	10	.54		mg/kg	10	1.1	J	mg/kg	10	-			
Copper	2.1		mg/kg	5	1.9		mg/kg	5	1.8		mg/kg	5	-			

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	G5059017				G5059003				G5059005				G5059023			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5SS26				CF17SS8				CF17SS10				CONTROLCOMP			
Collect Date:	20-JUN-94				20-JUN-94				20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Iron	123		mg/kg	20	167		mg/kg	20	140		mg/kg	20	-			
Lead	4.2		mg/kg	1	1.7		mg/kg	1	.57		mg/kg	1	-			
Magnesium	147		mg/kg	1000	146		mg/kg	1000	145		mg/kg	1000	-			
Manganese	4		mg/kg	3	5.4		mg/kg	3	1.3		mg/kg	3	-			
Mercury	.04	U	mg/kg	.1	.23	U	mg/kg	.1	.11	U	mg/kg	.1	-			
Nickel	.91	U	mg/kg	8	1.1	U	mg/kg	8	1.7	U	mg/kg	8	-			
Potassium	1260		mg/kg	1000	935		mg/kg	1000	1380		mg/kg	1000	-			
Selenium	1	UJ	mg/kg	1	1.6	UJ	mg/kg	1	1.9	U	mg/kg	1	-			
Silver	.24	UJ	mg/kg	2	.29	UJ	mg/kg	2	.45	UJ	mg/kg	2	-			
Sodium	714		mg/kg	1000	597		mg/kg	1000	864		mg/kg	1000	-			
Thallium	.7	U	mg/kg	2	1.1	U	mg/kg	2	1.4	U	mg/kg	2	-			
Vanadium	.32	J	mg/kg	10	.36	J	mg/kg	10	.4	U	mg/kg	10	-			
Zinc	20	J	mg/kg	4	16.2	J	mg/kg	4	25	J	mg/kg	4	-			
Cyanide	-				-				-				-			

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = P T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	LCS1MS			LCS2MSD		
Site	CECIL2			CECIL2		
Locator	LCS1MS			LCS2MSD		
Collect Date:	20-JUN-94			20-JUN-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW						
Phenol	-			-		
bis(2-Chloroethyl) ether	-			-		
2-Chlorophenol	-			-		
1,3-Dichlorobenzene	-			-		
1,4-Dichlorobenzene	-			-		
1,2-Dichlorobenzene	-			-		
2-Methylphenol	-			-		
2,2-oxybis(1-Chloropropane)	-			-		
4-Methylphenol	-			-		
N-Nitroso-di-n-propylamine	-			-		
Hexachloroethane	-			-		
Nitrobenzene	-			-		
Isophorone	-			-		
2-Nitrophenol	-			-		
2,4-Dimethylphenol	-			-		
bis(2-Chloroethoxy) methane	-			-		
2,4-Dichlorophenol	-			-		
1,2,4-Trichlorobenzene	-			-		
Naphthalene	-			-		
4-Chloroaniline	-			-		
Hexachlorobutadiene	-			-		
4-Chloro-3-methylphenol	-			-		
2-Methylnaphthalene	-			-		
Hexachlorocyclopentadiene	-			-		
2,4,6-Trichlorophenol	-			-		
2,4,5-Trichlorophenol	-			-		
2-Chloronaphthalene	-			-		
2-Nitroaniline	-			-		
Dimethylphthalate	-			-		
Acenaphthylene	-			-		
2,6-Dinitrotoluene	-			-		
3-Nitroaniline	-			-		
Acenaphthene	-			-		
2,4-Dinitrophenol	-			-		
4-Nitrophenol	-			-		
Dibenzofuran	-			-		
2,4-Dinitrotoluene	-			-		
Diethylphthalate	-			-		
4-Chlorophenyl-phenylether	-			-		
Fluorene	-			-		
4-Nitroaniline	-			-		
4,6-Dinitro-2-methylphenol	-			-		
N-Nitrosodiphenylamine (1)	-			-		
4-Bromophenyl-phenylether	-			-		
Hexachlorobenzene	-			-		
Pentachlorophenol	-			-		
Phenanthrene	-			-		
Anthracene	-			-		
Carbazole	-			-		
Di-n-butylphthalate	-			-		
Fluoranthene	-			-		
Pyrene	-			-		

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	LCS1MS				LCS2MSD			
Site	CECIL2				CECIL2			
Locator	LCS1MS				LCS2MSD			
Collect Date:	20-JUN-94				20-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	-				-			
3,3-Dichlorobenzidine	-				-			
Benzo (a) anthracene	-				-			
Chrysene	-				-			
bis(2-Ethylhexyl) phthalate	-				-			
Di-n-octylphthalate	-				-			
Benzo (b) fluoranthene	-				-			
Benzo (k) fluoranthene	-				-			
Benzo (a) pyrene	-				-			
Indeno (1,2,3-cd) pyrene	-				-			
Dibenz (a,h) anthracene	-				-			
Benzo (g,h,i) perylene	-				-			
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
beta-BHC	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
delta-BHC	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
gamma-BHC (Lindane)	12		ug/kg	2	14		ug/kg	2
Heptachlor	13		ug/kg	2	15		ug/kg	2
Aldrin	14		ug/kg	2	15		ug/kg	2
Heptachlor epoxide	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Endosulfan I	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Dieldrin	24		ug/kg	3	27		ug/kg	3
4,4-DDE	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
Endrin	27		ug/kg	3	30		ug/kg	3
Endosulfan II	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
4,4-DDD	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
Endosulfan sulfate	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
4,4-DDT	27		ug/kg	3	31		ug/kg	3
Methoxychlor	17	U	ug/kg	17	17	U	ug/kg	17
Endrin ketone	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
Endrin aldehyde	3.3	U	ug/kg	3.3	3.3	U	ug/kg	3.3
alpha-Chlordane	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
gamma-Chlordane	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Toxaphene	170	U	ug/kg	170	170	U	ug/kg	170
Aroclor-1016	33	U	ug/kg	33	33	U	ug/kg	33
Aroclor-1221	67	U	ug/kg	67	67	U	ug/kg	67
Aroclor-1232	33	U	ug/kg	33	33	U	ug/kg	33
Aroclor-1242	33	U	ug/kg	33	33	U	ug/kg	33
Aroclor-1248	33	U	ug/kg	33	33	U	ug/kg	33
Aroclor-1254	33	U	ug/kg	33	33	U	ug/kg	33
Aroclor-1260	33	U	ug/kg	33	33	U	ug/kg	33
CLP METALS AND CYANIDE								
Aluminum	-				-			
Antimony	-				-			
Arsenic	-				-			
Barium	-				-			
Beryllium	-				-			
Cadmium	-				-			
Calcium	-				-			
Chromium	-				-			
Cobalt	-				-			
Copper	-				-			

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
EARTHWORM TISSUE -- SEMIVOLATILES, PESTICIDES/PCBs & METALS

Lab Sample Number:	LCS1MS			LCS2MSD		
Site	CECIL2			CECIL2		
Locator	LCS1MS			LCS2MSD		
Collect Date:	20-JUN-94			20-JUN-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Iron	-			-		
Lead	-			-		
Magnesium	-			-		
Manganese	-			-		
Mercury	-			-		
Nickel	-			-		
Potassium	-			-		
Selenium	-			-		
Silver	-			-		
Sodium	-			-		
Thallium	-			-		
Vanadium	-			-		
Zinc	-			-		
Cyanide	-			-		

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

SITES 5 AND 17 REANALYSIS AND DILUTION SAMPLE DATA

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- VOLATILES

Lab Sample Number:	CF17BR13S0				J0121RE			
Site	CECIL2				CECIL2			
Locator	CF17BR13S0DL				CF17SCRE			
Collect Date:	11-NOV-93				30-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP VOLATILES 90-SOW								
Chloromethane	1500	U	ug/kg	1500	2	UJ	ug/l	2
Bromomethane	1500	U	ug/kg	1500	2	UJ	ug/l	2
Vinyl chloride	1500	U	ug/kg	1500	2	UJ	ug/l	2
Chloroethane	1500	U	ug/kg	1500	2	UJ	ug/l	2
Methylene chloride	760	U	ug/kg	760	1	UJ	ug/l	1
Acetone	7900		ug/kg	1500	2	UJ	ug/l	2
Carbon disulfide	760	U	ug/kg	760	1	UJ	ug/l	1
1,1-Dichloroethene	760	U	ug/kg	760	1	UJ	ug/l	1
1,1-Dichloroethane	760	U	ug/kg	760	1	UJ	ug/l	1
1,2-Dichloroethene (total)	760	U	ug/kg	760	1	UJ	ug/l	1
Chloroform	760	U	ug/kg	760	6	J	ug/l	2
1,2-Dichloroethane	760	U	ug/kg	760	1	UJ	ug/l	1
2-Butanone	1500	U	ug/kg	1500	2	UJ	ug/l	2
1,1,1-Trichloroethane	760	U	ug/kg	760	1	UJ	ug/l	1
Carbon tetrachloride	760	U	ug/kg	760	1	UJ	ug/l	1
Bromodichloromethane	760	U	ug/kg	760	3	J	ug/l	1
1,2-Dichloropropane	760	U	ug/kg	760	1	UJ	ug/l	1
cis-1,3-Dichloropropene	760	U	ug/kg	760	1	UJ	ug/l	1
Trichloroethene	760	U	ug/kg	760	1	UJ	ug/l	1
Dibromochloromethane	760	U	ug/kg	760	1	J	ug/l	1
1,1,2-Trichloroethane	760	U	ug/kg	760	1	UJ	ug/l	1
Benzene	760	U	ug/kg	760	1	UJ	ug/l	1
trans-1,3-Dichloropropene	760	U	ug/kg	760	1	UJ	ug/l	1
Bromoform	760	U	ug/kg	760	1	UJ	ug/l	1
4-Methyl-2-pentanone	1500	U	ug/kg	1500	2	R	ug/l	2
2-Hexanone	1500	U	ug/kg	1500	2	R	ug/l	2
Tetrachloroethene	760	U	ug/kg	760	1	UJ	ug/l	1
Toluene	760	U	ug/kg	760	1	UJ	ug/l	1
1,1,2,2-Tetrachloroethane	760	U	ug/kg	760	1	UJ	ug/l	1
Chlorobenzene	760	U	ug/kg	760	1	UJ	ug/l	1
Ethylbenzene	760	U	ug/kg	760	1	UJ	ug/l	1
Styrene	760	U	ug/kg	760	1	UJ	ug/l	1
Xylenes (total)	760	U	ug/kg	760	1	UJ	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S0DL				CF5BR9S0DD				J0378DL				J2134DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0DL				CF5BR9S0DDL				CF17MW5SDL				CF17MW24SDL			
Collect Date:	12-OCT-93				12-OCT-93				03-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P SEMIVOLATILES 90-SOW																
Phenol	750	UJ	ug/kg	750	150	J	ug/kg	1900	2000	UJ	ug/l	2000	4800	J	ug/l	5000
bis(2-Chloroethyl) ether	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2-Chlorophenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
1,3-Dichlorobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
1,4-Dichlorobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
1,2-Dichlorobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2-Methylphenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	9100	J	ug/l	2000	22000	J	ug/l	5000
2,2-oxybis(1-Chloropropane)	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
4-Methylphenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	4000	J	ug/l	2000	19000	J	ug/l	5000
N-Nitroso-di-n-propylamine	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Hexachloroethane	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Nitrobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Isophorone	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2-Nitrophenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4-Dimethylphenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2100	J	ug/l	2000	5000	UJ	ug/l	5000
bis(2-Chloroethoxy) methane	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4-Dichlorophenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
1,2,4-Trichlorobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Naphthalene	80	J	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	410	J	ug/l	5000
4-Chloroaniline	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Hexachlorobutadiene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
4-Chloro-3-methylphenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2-Methylnaphthalene	38	J	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Hexachlorocyclopentadiene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4,6-Trichlorophenol	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4,5-Trichlorophenol	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
2-Chloronaphthalene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2-Nitroaniline	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
Dimethylphthalate	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Acenaphthylene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,6-Dinitrotoluene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
3-Nitroaniline	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
Acenaphthene	300	J	ug/kg	750	250	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4-Dinitrophenol	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
4-Nitrophenol	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
Dibenzofuran	160	J	ug/kg	750	110	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
2,4-Dinitrotoluene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Diethylphthalate	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
4-Chlorophenyl-phenylether	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Fluorene	340	J	ug/kg	750	240	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
4-Nitroaniline	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
4,6-Dinitro-2-methylphenol	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
N-Nitrosodiphenylamine (1)	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
4-Bromophenyl-phenylether	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Hexachlorobenzene	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Pentachlorophenol	1800	UJ	ug/kg	1800	4600	UJ	ug/kg	4600	5000	UJ	ug/l	5000	12000	UJ	ug/l	12000
Phenanthrene	3200	J	ug/kg	750	1700	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Anthracene	770	J	ug/kg	750	460	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Carbazole	500	J	ug/kg	750	280	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Di-n-butylphthalate	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Fluoranthene	4400	J	ug/kg	750	2500	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Pyrene	2700	J	ug/kg	750	1800	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Butylbenzylphtha'	750	UJ	ug/kg	750	1900	UJ	ur	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	9

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	CF5BR9S0DL				CF5BR9S0DD				J0378DL				J2134DL			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR9S0DL				CF5BR9S0DDL				CF17MW5SDL				CF17MW24SDL			
Collect Date:	12-OCT-93				12-OCT-93				03-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Benzo (a) anthracene	1800	J	ug/kg	750	1100	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Chrysene	1600	J	ug/kg	750	1200	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
bis(2-Ethylhexyl) phthalate	110	J	ug/kg	750	140	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Di-n-octylphthalate	750	UJ	ug/kg	750	1900	UJ	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Benzo (b) fluoranthene	2200	J	ug/kg	750	1300	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Benzo (k) fluoranthene	750	J	ug/kg	750	590	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Benzo (a) pyrene	1500	J	ug/kg	750	880	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Indeno (1,2,3-cd) pyrene	820	J	ug/kg	750	390	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Dibenz (a,h) anthracene	220	J	ug/kg	750	99	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000
Benzo (g,h,i) perylene	690	J	ug/kg	750	330	J	ug/kg	1900	2000	UJ	ug/l	2000	5000	UJ	ug/l	5000

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	CF5BR10S0R				CF5BR17S4R				J0121RE				J1888RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0RE				CF5BR17S4RE				CF17SCRE				CF17MW1RE			
Collect Date:	30-SEP-93				02-OCT-93				30-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	1	J	ug/l	10
bis(2-Chloroethyl) ether	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2-Chlorophenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2-Methylphenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Methylphenol	7600	UJ	ug/kg	7600	10000	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Hexachloroethane	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Nitrobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Isophorone	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2-Nitrophenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Naphthalene	11000	J	ug/kg	7600	16000	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Chloroaniline	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	13000	J	ug/kg	7600	20000	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2-Nitroaniline	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
Dimethylphthalate	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Acenaphthylene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
3-Nitroaniline	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
Acenaphthene	1100	J	ug/kg	7600	850	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
4-Nitrophenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
Dibenzofuran	1400	J	ug/kg	7600	1100	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Diethylphthalate	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Fluorene	880	J	ug/kg	7600	510	J	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Nitroaniline	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Pentachlorophenol	18000	UJ	ug/kg	18000	20000	UJ	ug/kg	20000	25	R	ug/l	25	25	U	ug/l	25
Phenanthrene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Anthracene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Carbazole	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	2	J	ug/l	10	10	U	ug/l	10
Fluoranthene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Pyrene	7600	UJ	ug/kg	7600	8100	UJ	[illegible]	8100	10	R	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	CF5BR10S0R				CF5BR17S4R				J0121RE				J1888RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF5BR10S0RE				CF5BR17S4RE				CF17SCRE				CF17MW1RE			
Collect Date:	30-SEP-93				02-OCT-93				30-DEC-93				10-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Chrysene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	450	J	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	1	J	ug/l	10
Di-n-octylphthalate	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Dibenz (a,h) anthracene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	7600	UJ	ug/kg	7600	8100	UJ	ug/kg	8100	10	R	ug/l	10	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	J1889RE				J1890RE				J1891RE				09735RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW21IRE				CF17MW22DRE				CF17MW22DRRE				CF17SW1DRE			
Collect Date:	10-JAN-94				10-JAN-94				10-JAN-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	3	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	.5	J	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	R	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Pyrene	10	U	ug/l	10	10	U	[illegible]	10	10	U	ug/l	10	10	R	ug/l	[illegible]

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- SEMIVOLATILES

Lab Sample Number:	J1889RE				J1890RE				J1891RE				09735RE			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW21IRE				CF17MW22DRE				CF17MW22DRRE				CF17SW1DRE			
Collect Date:	10-JAN-94				10-JAN-94				10-JAN-94				01-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	1	J	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Dibenz (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	R	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITES 5 & 17
DILUTED AND RE-EXTRACTED SAMPLE LOCATIONS -- PESTICIDES/PCBs

Lab Sample Number:	K4809DL				K1014RE			
Site	CECIL2				CECIL2			
Locator	CF5SS4DL				CF17SS6RE			
Collect Date:	24-FEB-94				12-FEB-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
P PESTICIDES/PCBS 90-SOW								
alpha-BHC	26	U	ug/kg	26	2.1	U	ug/kg	2.1
beta-BHC	26	U	ug/kg	26	2.1	U	ug/kg	2.1
delta-BHC	26	U	ug/kg	26	2.1	U	ug/kg	2.1
gamma-BHC (Lindane)	26	U	ug/kg	26	2.1	U	ug/kg	2.1
Heptachlor	26	U	ug/kg	26	1	U	ug/kg	1
Aldrin	26	U	ug/kg	26	.9	U	ug/kg	.9
Heptachlor epoxide	26	U	ug/kg	26	2.1	U	ug/kg	2.1
Endosulfan I	26	U	ug/kg	26	2.1	U	ug/kg	2.1
Dieldrin	51	U	ug/kg	51	.3	U	ug/kg	.3
4,4-DDE	51	U	ug/kg	51	4	U	ug/kg	4
Endrin	51	U	ug/kg	51	4	U	ug/kg	4
Endosulfan II	51	U	ug/kg	51	4	U	ug/kg	4
4,4-DDD	30	U	ug/kg	30	4	U	ug/kg	4
Endosulfan sulfate	51	U	ug/kg	51	4	U	ug/kg	4
4,4-DDT	51	R	ug/kg	51	4	U	ug/kg	4
Methoxychlor	260	U	ug/kg	260	21	U	ug/kg	21
Endrin ketone	51	U	ug/kg	51	4	U	ug/kg	4
Endrin aldehyde	51	U	ug/kg	51	4	U	ug/kg	4
alpha-Chlordane	26	U	ug/kg	26	2.1	U	ug/kg	2.1
gamma-Chlordane	26	U	ug/kg	26	2.1	U	ug/kg	2.1
Toxaphene	2600	U	ug/kg	2600	210	U	ug/kg	210
Aroclor-1016	510	U	ug/kg	510	40	U	ug/kg	40
Aroclor-1221	1000	U	ug/kg	1000	82	U	ug/kg	82
Aroclor-1232	510	U	ug/kg	510	40	U	ug/kg	40
Aroclor-1242	510	U	ug/kg	510	40	U	ug/kg	40
Aroclor-1248	510	U	ug/kg	510	40	U	ug/kg	40
Aroclor-1254	510	U	ug/kg	510	40	U	ug/kg	40
Aroclor-1260	3200		ug/kg	510	40	U	ug/kg	40

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R = [illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW18D				CF17MW18DR				CF17MW19S				CF17MW20I			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW18D				CF17MW18DR				CF17MW19S				CF17MW20I			
Collect Date:	27-DEC-93				27-DEC-93				28-DEC-93				28-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW20ID				J1889				J1890				CF17MW23S			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW20ID				CF17MW21I				CF17MW22D				CF17MW23S			
Collect Date:	28-DEC-93				10-JAN-94				10-JAN-94				29-DEC-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.02	R	ug/l	.02	1	UJ	ug/l	1	.05	UJ	ug/l	.05	.044	J	ug/l	.05
delta-BHC	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	R	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	R	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	R	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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R = P[illegible]T IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	J2134				J2136				J2143				CF17MW25SI			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW24S				CF17MW24SD				CF17MW25SI				CF17MW25SIMS			
Collect Date:	11-JAN-94				11-JAN-94				11-JAN-94				11-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	R	ug/l	.05	.05	R	ug/l	.05	.035	R	ug/l	.05	.031	J	ug/l	.05
delta-BHC	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.41		ug/l	.05
Heptachlor	.035	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.27		ug/l	.05
Aldrin	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.27		ug/l	.05
Heptachlor epoxide	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.007	R	ug/l	.1	.063	R	ug/l	.1	.1	R	ug/l	.1	.8		ug/l	.1
4,4-DDE	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.79		ug/l	.1
Endosulfan II	.09	R	ug/l	.1	.11	R	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.017	J	ug/l	.1
Endosulfan sulfate	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.49		ug/l	.1
Methoxychlor	.5	R	ug/l	.5	.5	R	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.027	J	ug/l	.1
Endrin aldehyde	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	R	ug/l	5	5	R	ug/l	5	5	R	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	R	ug/l	1	1	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	R	ug/l	1	1	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1
Aroclor-1242	.52	R	ug/l	1	.86	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	R	ug/l	1	1	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	R	ug/l	1	1	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	R	ug/l	1	1	R	ug/l	1	1	R	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	CF17MW25SI				J2624				J2622				J2623			
Site	CECIL2				CECIL2				CECIL2				CECIL2			
Locator	CF17MW25SIMSD				CF17MW261				CF17MW27D				CF17MW28DD			
Collect Date:	11-JAN-94				12-JAN-94				12-JAN-94				12-JAN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
LP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05		ug/l	.05	.04	UJ	ug/l	.04	.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.49		ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.31		ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Aldrin	.3		ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.84		ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.82		ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.018	J	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.48		ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.024	J	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	J0121
Site	CECIL2
Locator	CF17SC
Collect Date:	30-DEC-93

	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.05	U	ug/l	.05
beta-BHC	.03	U	ug/l	.03
delta-BHC	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1
4,4-DDT	.1	R	ug/l	.1
Methoxychlor	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR11S2			CF17BR12S0			CF17BR12S2			CF17BR13S0		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR11S2RT			CF17BR12S0			CF17BR12S2			CF17BR13S0		
Collect Date:	12-NOV-93			11-NOV-93			11-NOV-93			11-NOV-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.												
(8.48) 2-Penteneisomer	2	J ug/l										
(3.80) Aldolcondensationproduc				740	U ug/kg							
(4.37) Aldolcondensationproduc				33000	J ug/kg							
(5.30) Aldolcondensationproduc				350	U ug/kg							
(6.62) Ethanol,2-(2-Ethoxyetho				420	U ug/kg							
(4.13) Aldolcondensationproduc							64000	J ug/kg				
(12.50) Cyclohexaneisomer							6700	J ug/kg				
(19.03) Benzene,1,2-Dichloro-							8000	J ug/kg				
(3.37) Aldolcondensationproduc										400	U ug/kg	
(5.17) Aldolcondensationproduc										300	U ug/kg	
(6.47) Ethanol,2-(2-Ethoxyetho										100	U ug/kg	
(4.22) Aldolcondensationproduc										32000	J ug/kg	
(3.72) 2-Propanol(Acn)										1100	J ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR13S2			F17BR14S0			CF17BR14S2			CF17BR14S2		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17BR13S2			CF17BR14S0			CF17BR14S2			CF17BR14S2D		
Collect Date:	11-NOV-93			15-NOV-93			15-NOV-93			15-NOV-93		
	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS	VALUE	QUAL	UNITS
TENTATIVELY IDENTIFIED CMPNDS.												
(3.80) Aldolcondensationproduc	740	U	ug/kg									
(4.30) Aldolcondensationproduc	28000	J	ug/kg									
(5.28) Aldolcondensationproduc	240	U	ug/kg									
(6.58) Ethanol,2-(2-Ethoxyetho	300	U	ug/kg									
(3.73) 2-Propanol(Acn)	270	J	ug/kg									
(3.88) Aldolcondensationproduc				210	U	ug/kg						
(4.03) Aldolcondensationproduc				710	J	ug/kg						
(4.48) Aldolcondensationproduc				37000	U	ug/kg						
(5.43) Aldolcondensationproduc				420	U	ug/kg						
(6.75) Ethanol,2-(2-Ethoxyetho				340	U	ug/kg						
(3.60) Aldolcondensationproduc							140	U	ug/kg			
(3.93) Aldolcondensationproduc							360	U	ug/kg			
(4.47) Aldolcondensationproduc							30000	U	ug/kg			
(6.73) Ethanol,2-(2-Ethoxyetho							140	U	ug/kg			
(3.60) Aldolcondensationproduc										110	U	ug/kg
(3.92) Aldolcondensationproduc										340	U	ug/kg
(6.72) Ethanol,2-(2-Ethoxyetho										110	U	ug/kg
(4.47) Aldolcondensationproduc										27000	U	ug/kg

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	CF17BR15S0				CF17BR15S0				CF17BR15S2				CF17BR15S2		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF17BR15S0				CF17BR15S0D				CF17BR15S2				CF17BR15S2D		
Collect Date:	15-NOV-93				15-NOV-93				15-NOV-93				15-NOV-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.																
(15.70) 3-Carene	44	J	ug/kg													
(3.85) Aldolcondensationproduc	910	U	ug/kg													
(4.38) Aldolcondensationproduc	30000	U	ug/kg													
(5.35) Aldolcondensationproduc	310	U	ug/kg													
(6.67) Ethanol,2-(2-Ethoxyetho	260	U	ug/kg													
(4.40) Aldolcondensationproduc					30000	U	ug/kg									
(3.85) Aldolcondensationproduc									780	U	ug/kg					
(4.37) Aldolcondensationproduc									25000	U	ug/kg					
(5.35) Aldolcondensationproduc									260	U	ug/kg					
(6.67) Ethanol,2-(2-Ethoxyetho									180	U	ug/kg					
(3.55) Aldolcondensationproduc									120	U	ug/kg					
(12.50) Cyclohexaneisomer													1400	J	ug/kg	
(13.62) Cyclohexaneisomer													1600	J	ug/kg	
(14.93) Cyclohexaneisomer													2000	J	ug/kg	
(16.50) Cyclohexaneisomer													1000	J	ug/kg	
(12.02) Cyclohexaneisomer													1300	J	ug/kg	
(3.55) Aldolcondensationproduc													110	U	ug/kg	
(3.88) Aldolcondensationproduc													620	U	ug/kg	
(4.42) Aldolcondensationproduc													32000	U	ug/kg	
(5.57) Aldolcondensationproduc													98	J	ug/kg	
(6.67) Ethanol,2-(2-Ethoxyetho													160	U	ug/kg	
(5.35) Aldolcondensationproduc													340	U	ug/kg	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
SUBSURFACE SOIL -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:		CF17BR15S2		
Site		CECIL2		
Locator		CF17BR15S2DR		
Collect Date:		15-NOV-93		
	VALUE	QUAL	UNITS	DL
TENTATIVELY IDENTIFIED CMPNDS.				
(6.70) Ethanol,2-(2-Ethoxyetho	3	U	ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	J1888			J0377			J0378			J0618		
Site	CECIL2			CECIL2			CECIL2			CECIL2		
Locator	CF17MW1			CF17MW4S			CF17MW5S			CF17MW6S		
Collect Date:	10-JAN-94			03-JAN-94			03-JAN-94			04-JAN-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
ENTATIVELY IDENTIFIED CMPNDS.												
(19.30) Sulfur,Mol.(S8)	4	J ug/l										
(8.17) Phenol,2,5-Dimethyl-				260	J ug/l							
(9.15) Phenol,2,3-Dimethyl-				210	J ug/l							
(9.73) Phenol,2-Propyl-				120	J ug/l							
(9.03) Phenol,3,4-Dimethyl-				220	J ug/l							
(16.35) Ethylmethylbenzeneisom				4	J ug/l							
(16.55) Trimethylbenzeneisomer				5	J ug/l							
(19.08) Sulfur,Mol.(S8)							58	J ug/l				
(8.20) Phenol,2,5-Dimethyl-							1300	J ug/l				
(8.57) Phenol,2-Ethyl-							210	J ug/l				
(9.15) Phenol,2,3-Dimethyl-							350	J ug/l				
(16.55) Trimethylbenzeneisomer							3	J ug/l				
(16.35) Ethylmethylbenzeneisom							5	J ug/l				
(8.18) Phenol,2,6-Dimethyl-										1200	J ug/l	
(19.08) Sulfur,Mol.(S8)										27	J ug/l	
(8.57) Phenol,2-Ethyl-										1200	J ug/l	
(16.38) Ethylmethylbenzeneisom										9	J ug/l	
(6.63) Cyclohexane										2	J ug/l	
(15.23) Ethylmethylbenzeneisom										3	J ug/l	
(16.58) Trimethylbenzeneisomer										12	J ug/l	

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NAS CECIL FIELD -- OPERABLE UNIT 2 -- SITE 17
GROUNDWATER -- TENTATIVELY IDENTIFIED COMPOUNDS

Lab Sample Number:	J0619				CF17MW8S				J0376				CF17MW11I		
Site	CECIL2				CECIL2				CECIL2				CECIL2		
Locator	CF17MW6SD				CF17MW8S				CF17MW9S				CF17MW11I		
Collect Date:	04-JAN-94				30-DEC-93				03-JAN-94				29-DEC-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
ENTATIVELY IDENTIFIED CMPNDS.																
(19.08) Sulfur,Mol.(S8)	26	J	ug/l													
(9.13) Phenol,2,3-Dimethyl-	68	J	ug/l													
(16.60) Trimethylbenzeneisomer	14	J	ug/l													
(16.40) Ethylmethylbenzeneisom	9	J	ug/l													
(6.67) Cyclohexene	2	J	ug/l													
(19.08) Sulfur,Mol.(S8)					2	J	ug/l									
(19.08) Sulfur,Mol.(S8)									2	J	ug/l					
(19.20) Sulfur,Mol.(S8)													4	J	ug/l	

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