N60200.AR.005604
NAS CECIL FIELD
5090.3a

REMEDIAL INVESTIGATION DATA DOCUMENT OPERABLE UNIT 6 NAS CECIL FIELD FL
12/1/1996
ABB ENVIRONMENTAL SERVICES

REMEDIAL INVESTIGATION DATA DOCUMENT

OPERABLE UNIT 6

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

UNIT IDENTIFICATION CODE: N60200
CONTRACT NO.: N62467-89-D-0317/090

DECEMBER 1996

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA
29419-9010

PRINTED ON RECYCLED PAPER

ABB

8500-3169

December 27, 1996

Ms. Debbie Vaughn-Wright
Remedial Project Manager
Federal Facilities Branch
Waste Management Division, 10th Floor
USEPA Region IV
100 Alabama St. N.W.
Atlanta, Georgia 30303

Subject: Remedial Investigation Data Document
Operable Unit 6, Site 11
Naval Air Station Cecil Field, Jacksonville, Florida
Contract No. N62467-89D-0317/090

Dear Ms. Vaughn-Wright:

On behalf of Southern Division, Naval Facilities Engineering Command, ABB Environmental Services, Inc. is pleased to forward a copy of the subject document for your review. This document contains data supporting the conclusions and the recommendations presented in the OU 6 Remedial Investigation report.

Comments or questions you may have concerning this document should be directed to Mr. Mark Davidson at (803) 820-5526 within 45 days from the receipt of this document.

Sincerely,

ABB ENVIRONMENTAL SERVICES, INC.

Rao Angara
Task Order Manager

cc: Mr. Eric Nuzie, FDEP
Mr. David Kruzicki, NASCF
Mr. Hermann Bauer, BEI
Mr. Mark Davidson, SDIV
Mr. Steve Wilson, SDIV
Mr. Lewis Shields, City of Jacksonville
Ms. Lisa Routhier, ABB-ES
File

Sponsor Special Olympics World Games Connecticut 1995

ABB Environmental Services Inc.

Berkeley Building
2590 Executive Center Circle East
Tallahassee, Florida 32301

Telephone (904) 656-1293
Fax (904) 877-0742

REMEDIAL INVESTIGATION DATA DOCUMENT

OPERABLE UNIT 6

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code: N60200

Contract No.: N62467-89-D-0317/090

Prepared by:

ABB Environmental Services, Inc.
2590 Executive Center Circle, East
Tallahassee, Florida 32301

Prepared for:

Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29418

Mark Davidson, Code 1879, Engineer-in-Charge

December 1996

TABLE OF CONTENTS

Remedial Investigation Data Document
Operable Unit 6, NAS Cecil Field
Jacksonville, Florida

Chapter	Title
1.0	ANALYTICAL DATA
1.1	Site 11, Surface Soil Sample Analytical Results
1.2	Site 11, Subsurface Soil Sample Analytical Results
1.3	Site 11, Groundwater Sample Analytical Results
2.0	REVISIONS TO SAMPLING AND ANALYSIS PLAN
3.0	BACKGROUND SAMPLE DATA
3.1	Background Surface Soil Analytical Results, Sapelo Fine Sand
3.2	Background Subsurface Soil Analytical Results, Sapelo Fine Sand
3.3	Background Groundwater Analytical Results
4.0	GEOTECHNICAL DATA
5.0	WATER-LEVEL DATA AND MONITORING WELL LOGS
5.1	Water-Level Data
5.2	Monitoring Well Logs
6.0	HYDRAULIC CONDUCTIVITY TEST RESULTS
6.1	Hydraulic Conductivity Test Results
7.0	FATE AND TRANSPORT CALCULATIONS

INTRODUCTION

The Operable Unit (OU) 6 Remedial Investigation Data Document (RIDD) is a companion document to the Naval Air Station (NAS) Cecil Field OU 6 Remedial Investigation (RI) Report. The OU 6 RIDD contains data collected during the RI and data developed in the risk assessment. Background information and results from previous studies are presented in the NAS Cecil Field General Information Report.

The RIDD contains data usually presented in the RI as appendices. These data are presented as a separate document in an effort to streamline the RI report. Presentation of these data as a separate document was approved by the NAS Cecil Field Base Closure Team.

OU 6 consists of Site 11, a wooded area between the 11th fairway and 17th green of the NAS Cecil Field golf course. Empty, partially full, and full pesticide, herbicide, and fungicide containers were disposed of at the site by golf course maintenance personnel. The containers were allowed to accumulate for several months before a front-end loader crushed the containers prior to burial.

OU 6 consists of sandy materials, characterized by fine-grained sand with minor amounts of silt and clay. The sandy material exists from land surface to at least 32 feet below land surface. Typically, groundwater was encountered in the sandy material from 2 to 6 feet below land surface.

Evaluation of the environmental samples collected during the focused RI and interim remedial action indicated that contamination, most likely from the disposal of containers from the golf course maintenance personnel, exists in OU 6 surface soil, subsurface soil, and groundwater of the surficial aquifer. However, the majority of the contamination was removed during excavation activities during the interim remedial action. Lithologic, soil grain size, and hydrologic data were collected during the RI. The OU 6 RIDD presents the RI analytical results as well as chemical properties, chemical fate and transport information, and risk assessment data.

Interpretation of these data and conclusions of the RI are presented in the OU 6 RI Report.

CHAPTER 1.0

ANALYTICAL DATA

Section 1.1

Site 11, Surface Soil Sample Analytical Results

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SURFACE SOIL -- REPORT NO. 8150

Lab Sample Number:		C451R				C451RRE				C4537				C451N			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS1				CF11SS1RE				CF11SS2				CF11SS3			
Collect Date:		20-MAY-96				20-MAY-96				21-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg																
Chloromethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
Bromomethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
Vinyl chloride		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
Chloroethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
Methylene chloride		4	J	ug/kg	11	4	J	ug/kg	11	4	J	ug/kg	12	2	J	ug/kg	10
Acetone		12	U	ug/kg	12	12	U	ug/kg	12	15		ug/kg	12	10	U	ug/kg	10
Carbon disulfide		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethene (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Chloroform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
2-Butanone		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
1,1,1-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Carbon tetrachloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Bromodichloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
cis-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Trichloroethene		10		ug/kg	11	18		ug/kg	11	20		ug/kg	12	5	U	ug/kg	5
Dibromochloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Benzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Bromoform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
4-Methyl-2-pentanone		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
2-Hexanone		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	10	U	ug/kg	10
Tetrachloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Toluene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Chlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Ethylbenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Styrene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SURFACE SOIL -- REPORT NO. 8150

Lab Sample Number:		C451NRE				C453C				C453CRE				C437C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS3RE				CF11SS4				CF11SS4RE				CF11SS5			
Collect Date:		20-MAY-96				21-MAY-96				21-MAY-96				15-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg																
Chloromethane		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
Bromomethane		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
Vinyl chloride		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
Chloroethane		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
Methylene chloride		4	J	ug/kg	10	4	J	ug/kg	12	6	J	ug/kg	12	5	U	ug/kg	5
Acetone		10	U	ug/kg	10	25		ug/kg	12	15		ug/kg	12	11	U	ug/kg	11
Carbon disulfide		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
2-Butanone		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
1,1,1-Trichloroethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Trichloroethene		10		ug/kg	10	28		ug/kg	12	22		ug/kg	12	6		ug/kg	11
Dibromochloromethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
2-Hexanone		10	U	ug/kg	10	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SURFACE SOIL -- REPORT NO. 8150

Lab Sample Number:		C437F				C43R6				C452D				C452DRE			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS5D				CF11SS6				CF11SS7				CF11SS7RE			
Collect Date:		15-MAY-96				16-MAY-96				21-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg																
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Bromomethane		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Methylene chloride		5	U	ug/kg	5	5	U	ug/kg	5	4	J	ug/kg	10	4	J	ug/kg	10
Acetone		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		6		ug/kg	11	4	J	ug/kg	11	19		ug/kg	10	9		ug/kg	10
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
2-Hexanone		11	U	ug/kg	11	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SURFACE SOIL -- REPORT NO. 8150

Lab Sample Number:		C4528			C451J			C4514		
Site		CECIL6			CECIL6			CECIL6		
Locator		CF11SS8			CF11SS9			CF11SS10		
Collect Date:		21-MAY-96			20-MAY-96			20-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg									
Chloromethane		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Bromomethane		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Vinyl chloride		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Chloroethane		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Methylene chloride		4 J	ug/kg	12	5 U	ug/kg	5	2 J	ug/kg	11
Acetone		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Carbon disulfide		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethene (total)		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Chloroform		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
2-Butanone		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
1,1,1-Trichloroethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Carbon tetrachloride		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Bromodichloromethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloropropane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
cis-1,3-Dichloropropene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Trichloroethene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Dibromochloromethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2-Trichloroethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Benzene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
trans-1,3-Dichloropropene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Bromoform		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
4-Methyl-2-pentanone		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
2-Hexanone		12 U	ug/kg	12	10 U	ug/kg	10	11 U	ug/kg	11
Tetrachloroethene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Toluene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2,2-Tetrachloroethane		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Chlorobenzene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Ethylbenzene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Styrene		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5
Xylenes (total)		6 U	ug/kg	6	5 U	ug/kg	5	5 U	ug/kg	5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:		C451R				C4537				C451N				C453C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg																
Phenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
bis(2-Chloroethyl) ether		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2-Chlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
1,3-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
1,4-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
1,2-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2-Methylphenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,2-oxybis(1-Chloropropane)		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Methylphenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
N-Nitroso-di-n-propylamine		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Hexachloroethane		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Nitrobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Isophorone		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2-Nitrophenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4-Dimethylphenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
bis(2-Chloroethoxy) methane		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4-Dichlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
1,2,4-Trichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Naphthalene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Chloroaniline		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Hexachlorobutadiene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Chloro-3-methylphenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2-Methylnaphthalene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Hexachlorocyclopentadiene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4,6-Trichlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4,5-Trichlorophenol		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
2-Chloronaphthalene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2-Nitroaniline		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
Dimethylphthalate		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Acenaphthylene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,6-Dinitrotoluene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
3-Nitroaniline		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
Acenaphthene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4-Dinitrophenol		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
4-Nitrophenol		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
Dibenzofuran		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
2,4-Dinitrotoluene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Diethylphthalate		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Chlorophenyl-phenylether		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Fluorene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Nitroaniline		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
4,6-Dinitro-2-methylphenol		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
N-Nitrosodiphenylamine		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
4-Bromophenyl-phenylether		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Hexachlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Pentachlorophenol		920	U	ug/kg	920	940	U	ug/kg	940	830	U	ug/kg	830	980	U	ug/kg	980
Phenanthrene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Anthracene		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Carbazole		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Di-n-butylphthalate		380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:	C451R				C4537				C451N				C453C			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:	20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	380	U	ug/kg	380	170	J	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Pyrene	380	U	ug/kg	380	140	J	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Butylbenzylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
3,3-Dichlorobenzidine	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Benzo (a) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	71	J	ug/kg	400
Chrysene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	96	J	ug/kg	400
bis(2-Ethylhexyl) phthalate	160	J	ug/kg	380	390	U	ug/kg	390	69	J	ug/kg	340	400	U	ug/kg	400
Di-n-octylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Benzo (b) fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	180	J	ug/kg	400
Benzo (k) fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	190	J	ug/kg	400
Benzo (a) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	87	J	ug/kg	400
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Dibenzo (a,h) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400
Benzo (g,h,i) perylene	380	U	ug/kg	380	390	U	ug/kg	390	340	U	ug/kg	340	400	U	ug/kg	400

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:		C437C				C437F				C43R6				C452D			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS5				CF11SS5D				CF11SS6				CF11SS7			
Collect Date:		15-MAY-96				15-MAY-96				16-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg																
Phenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
bis(2-Chloroethyl) ether		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2-Chlorophenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
1,3-Dichlorobenzene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
1,4-Dichlorobenzene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
1,2-Dichlorobenzene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2-Methylphenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,2-oxybis(1-Chloropropane)		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
4-Methylphenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
N-Nitroso-di-n-propylamine		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Hexachloroethane		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Nitrobenzene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Isophorone		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2-Nitrophenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4-Dimethylphenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
bis(2-Chloroethoxy) methane		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4-Dichlorophenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
1,2,4-Trichlorobenzene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Naphthalene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
4-Chloroaniline		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Hexachlorobutadiene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
4-Chloro-3-methylphenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2-Methylnaphthalene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Hexachlorocyclopentadiene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4,6-Trichlorophenol		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4,5-Trichlorophenol		870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
2-Chloronaphthalene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2-Nitroaniline		870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
Dimethylphthalate		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Acenaphthylene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,6-Dinitrotoluene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
3-Nitroaniline		870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
Acenaphthene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4-Dinitrophenol		870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
4-Nitrophenol		870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
Dibenzofuran		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
2,4-Dinitrotoluene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Diethylphthalate		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
4-Chlorophenyl-phenylether		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Fluorene		360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:	C437C				C437F				C43R6				C452D			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SS5				CF11SS5D				CF11SS6				CF11SS7			
Collect Date:	15-MAY-96				15-MAY-96				16-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
4,6-Dinitro-2-methylphenol	870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
N-Nitrosodiphenylamine	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
4-Bromophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Hexachlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Pentachlorophenol	870	U	ug/kg	870	860	U	ug/kg	860	850	U	ug/kg	850	830	U	ug/kg	830
Phenanthrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Carbazole	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Di-n-butylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Butylbenzylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
3,3-Dichlorobenzidine	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Benzo (a) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Chrysene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
bis(2-Ethylhexyl) phthalate	35	J	ug/kg	360	360	U	ug/kg	360	75	J	ug/kg	350	210	J	ug/kg	340
Di-n-octylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Benzo (b) fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Benzo (k) fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Benzo (a) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Dibenzo (a,h) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340
Benzo (g,h,i) perylene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	340	U	ug/kg	340

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:		C4528				C451J				C4514			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SS8				CF11SS9				CF11SS10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg												
Phenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
bis(2-Chloroethyl) ether		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2-Chlorophenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
1,3-Dichlorobenzene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
1,4-Dichlorobenzene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
1,2-Dichlorobenzene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2-Methylphenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,2-oxybis(1-Chloropropane)		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
4-Methylphenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
N-Nitroso-di-n-propylamine		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Hexachloroethane		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Nitrobenzene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Isophorone		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2-Nitrophenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4-Dimethylphenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
bis(2-Chloroethoxy) methane		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4-Dichlorophenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
1,2,4-Trichlorobenzene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Naphthalene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
4-Chloroaniline		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Hexachlorobutadiene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
4-Chloro-3-methylphenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2-Methylnaphthalene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Hexachlorocyclopentadiene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4,6-Trichlorophenol		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4,5-Trichlorophenol		970	U	ug/kg	970	840	U	ug/kg	840	990	U	ug/kg	990
2-Chloronaphthalene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2-Nitroaniline		970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
Dimethylphthalate		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Acenaphthylene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,6-Dinitrotoluene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
3-Nitroaniline		970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
Acenaphthene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4-Dinitrophenol		970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
4-Nitrophenol		970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
Dibenzofuran		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
2,4-Dinitrotoluene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Diethylphthalate		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
4-Chlorophenyl-phenylether		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Fluorene		400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SURFACE SOIL -- REPORT NO. 8151

Lab Sample Number:	C4528				C451J				C4514			
Site	CECIL6				CECIL6				CECIL6			
Locator	CF11SS8				CF11SS9				CF11SS10			
Collect Date:	21-MAY-96				20-MAY-96				20-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
4,6-Dinitro-2-methylphenol	970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
N-Nitrosodiphenylamine	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
4-Bromophenyl-phenylether	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Hexachlorobenzene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Pentachlorophenol	970	U	ug/kg	970	840	U	ug/kg	840	850	U	ug/kg	850
Phenanthrene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Anthracene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Carbazole	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Di-n-butylphthalate	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Fluoranthene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Pyrene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Butylbenzylphthalate	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
3,3-Dichlorobenzidine	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Benzo (a) anthracene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Chrysene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
bis(2-Ethylhexyl) phthalate	90	J	ug/kg	400	54	J	ug/kg	340	170	J	ug/kg	350
Di-n-octylphthalate	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Benzo (b) fluoranthene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Benzo (k) fluoranthene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Benzo (a) pyrene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Dibenzo (a,h) anthracene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350
Benzo (g,h,i) perylene	400	U	ug/kg	400	340	U	ug/kg	340	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SURFACE SOIL -- REPORT NO. 8152

Lab Sample Number:		C451R				C4537				C451N				C453C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg																
alpha-BHC		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
beta-BHC		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
delta-BHC		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
gamma-BHC (Lindane)		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
Heptachlor		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
Aldrin		1.8	J	ug/kg	2	.4	J	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
Heptachlor epoxide		1.3	J	ug/kg	2	1	J	ug/kg	2	1.7	U	ug/kg	1.7	.65	J	ug/kg	2
Endosulfan I		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.7	U	ug/kg	1.7	2	U	ug/kg	2
Dieldrin		3.2	J	ug/kg	4	26		ug/kg	4	.023	J	ug/kg	3	3.3	J	ug/kg	4
4,4-DDE		.33	J	ug/kg	4	.19	J	ug/kg	4	3.5	U	ug/kg	3.5	.27	J	ug/kg	4
Endrin		3.8	U	ug/kg	3.8	.64	J	ug/kg	4	.18	J	ug/kg	3	.17	J	ug/kg	4
Endosulfan II		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.5	U	ug/kg	3.5	4.1	U	ug/kg	4.1
4,4-DDD		4.2	J	ug/kg	4	5.6		ug/kg	4	3.5	U	ug/kg	3.5	.26	J	ug/kg	4
Endosulfan sulfate		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.5	U	ug/kg	3.5	4.1	U	ug/kg	4.1
4,4-DDT		3.9	J	ug/kg	4	1.1	J	ug/kg	4	.43	J	ug/kg	3	1.1	J	ug/kg	4
Methoxychlor		19	U	ug/kg	19	20	U	ug/kg	20	17	U	ug/kg	17	20	U	ug/kg	20
Endrin ketone		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.5	U	ug/kg	3.5	4.1	U	ug/kg	4.1
Endrin aldehyde		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.5	U	ug/kg	3.5	4.1	U	ug/kg	4.1
alpha-Chlordane		3		ug/kg	2	2.8		ug/kg	2	1.7	U	ug/kg	1.7	.42	J	ug/kg	2
gamma-Chlordane		2.7	J	ug/kg	2	2		ug/kg	2	1.7	U	ug/kg	1.7	.15	J	ug/kg	2
Toxaphene		190	U	ug/kg	190	200	U	ug/kg	200	170	U	ug/kg	170	200	U	ug/kg	200
Aroclor-1016		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41
Aroclor-1221		77	U	ug/kg	77	78	U	ug/kg	78	69	U	ug/kg	69	82	U	ug/kg	82
Aroclor-1232		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41
Aroclor-1242		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41
Aroclor-1248		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41
Aroclor-1254		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41
Aroclor-1260		38	U	ug/kg	38	39	U	ug/kg	39	35	U	ug/kg	35	41	U	ug/kg	41

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SURFACE SOIL -- REPORT NO. 8152

Lab Sample Number:		C437C				C437F				C43R6				C452D			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS5				CF11SS5D				CF11SS6				CF11SS7			
Collect Date:		15-MAY-96				15-MAY-96				16-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg																
alpha-BHC		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
beta-BHC		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
delta-BHC		.18	J	ug/kg	2	.19	J	ug/kg	2	.23	J	ug/kg	2	.22	J	ug/kg	2
gamma-BHC (Lindane)		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
Heptachlor		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
Aldrin		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
Heptachlor epoxide		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	.065	J	ug/kg	2	.058	J	ug/kg	2
Endosulfan I		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
Dieldrin		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	.26	J	ug/kg	4	.4	J	ug/kg	3
4,4-DDE		.18	J	ug/kg	4	.17	J	ug/kg	4	.39	J	ug/kg	4	1	J	ug/kg	3
Endrin		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	.14	J	ug/kg	4	.16	J	ug/kg	3
Endosulfan II		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.4	U	ug/kg	3.4
4,4-DDD		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	.29	J	ug/kg	4	3.4	U	ug/kg	3.4
Endosulfan sulfate		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.4	U	ug/kg	3.4
4,4-DDT		.46	J	ug/kg	4	.55	J	ug/kg	4	.59	J	ug/kg	4	1.2	J	ug/kg	3
Methoxychlor		.53	J	ug/kg	18	.45	J	ug/kg	18	18	U	ug/kg	18	17	U	ug/kg	17
Endrin ketone		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.4	U	ug/kg	3.4
Endrin aldehyde		3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.4	U	ug/kg	3.4
alpha-Chlordane		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	.11	J	ug/kg	2
gamma-Chlordane		1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.7	U	ug/kg	1.7
Toxaphene		180	U	ug/kg	180	180	U	ug/kg	180	180	U	ug/kg	180	170	U	ug/kg	170
Aroclor-1016		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34
Aroclor-1221		72	U	ug/kg	72	72	U	ug/kg	72	71	U	ug/kg	71	69	U	ug/kg	69
Aroclor-1232		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34
Aroclor-1242		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34
Aroclor-1248		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34
Aroclor-1254		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34
Aroclor-1260		36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36	34	U	ug/kg	34

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SURFACE SOIL -- REPORT NO. 8152

Lab Sample Number:		C4528				C451J				C4514			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SS8				CF11SS9				CF11SS10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg												
alpha-BHC		.19	J	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
beta-BHC		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
delta-BHC		.07	J	ug/kg	2	.15	J	ug/kg	2	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Heptachlor		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Aldrin		.56	J	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Heptachlor epoxide		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Endosulfan I		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Dieldrin		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDE		4	U	ug/kg	4	3.5	U	ug/kg	3.5	.18	J	ug/kg	4
Endrin		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endosulfan II		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDD		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endosulfan sulfate		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDT		4	U	ug/kg	4	.73	J	ug/kg	3	.6	J	ug/kg	4
Methoxychlor		20	U	ug/kg	20	17	U	ug/kg	17	18	U	ug/kg	18
Endrin ketone		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endrin aldehyde		4	U	ug/kg	4	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
alpha-Chlordane		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
gamma-Chlordane		2	U	ug/kg	2	1.7	U	ug/kg	1.7	1.8	U	ug/kg	1.8
Toxaphene		200	U	ug/kg	200	170	U	ug/kg	170	180	U	ug/kg	180
Aroclor-1016		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221		81	U	ug/kg	81	70	U	ug/kg	70	71	U	ug/kg	71
Aroclor-1232		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1242		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1260		40	U	ug/kg	40	35	U	ug/kg	35	36	U	ug/kg	36

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SURFACE SOIL -- REPORT NO. 8153

Lab Sample Number:		C451R				C4537				C451N				C453C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	mg/kg																
Aluminum		583		mg/kg	40	1470		mg/kg	40	344		mg/kg	40	1160		mg/kg	40
Antimony		.46	U	mg/kg	12	.53	J	mg/kg	12	.42	U	mg/kg	12	.49	U	mg/kg	12
Arsenic		.74	J	mg/kg	2	5.7		mg/kg	2	.62	U	mg/kg	2	.74	U	mg/kg	2
Barium		6.8	J	mg/kg	40	5.3	J	mg/kg	40	1.7	J	mg/kg	40	10.4	J	mg/kg	40
Beryllium		.46	U	mg/kg	1	.24	U	mg/kg	1	.42	U	mg/kg	1	.25	U	mg/kg	1
Cadmium		.69	U	mg/kg	1	.24	U	mg/kg	1	.62	U	mg/kg	1	.25	U	mg/kg	1
Calcium		8110		mg/kg	1000	2390	J	mg/kg	1000	159	J	mg/kg	1000	1290	J	mg/kg	1000
Chromium		2.4		mg/kg	2	2.6		mg/kg	2	.61	J	mg/kg	2	1.7	J	mg/kg	2
Cobalt		1.6	U	mg/kg	10	.24	U	mg/kg	10	1.5	U	mg/kg	10	.25	U	mg/kg	10
Copper		2.6	J	mg/kg	5	1.8	J	mg/kg	5	.83	U	mg/kg	5	1.7	J	mg/kg	5
Iron		298		mg/kg	20	441		mg/kg	20	118		mg/kg	20	456		mg/kg	20
Lead		8.1		mg/kg	.6	5.4		mg/kg	.6	1.3		mg/kg	.6	9.9		mg/kg	.6
Magnesium		184	J	mg/kg	1000	152	J	mg/kg	1000	21.3	J	mg/kg	1000	127	J	mg/kg	1000
Manganese		17.5		mg/kg	3	18.2		mg/kg	3	1.5	J	mg/kg	3	17.3		mg/kg	3
Mercury		.06	U	mg/kg	.1	.06	U	mg/kg	.1	.05	U	mg/kg	.1	.06	U	mg/kg	.1
Nickel		3	U	mg/kg	8	.91	J	mg/kg	8	2.7	U	mg/kg	8	.98	J	mg/kg	8
Potassium		32.3	J	mg/kg	1000	83.4	J	mg/kg	1000	11	J	mg/kg	1000	45.6	J	mg/kg	1000
Selenium		.93	U	mg/kg	1	.94	U	mg/kg	1	.83	U	mg/kg	1	.98	U	mg/kg	1
Silver		.69	U	mg/kg	2	.24	U	mg/kg	2	.62	U	mg/kg	2	.25	U	mg/kg	2
Sodium		16.4	U	mg/kg	1000	29.2	J	mg/kg	1000	14.8	U	mg/kg	1000	17.4	U	mg/kg	1000
Thallium		.46	U	mg/kg	2	.47	U	mg/kg	2	.42	U	mg/kg	2	.49	U	mg/kg	2
Vanadium		2.4	J	mg/kg	10	2.4	J	mg/kg	10	1.4	J	mg/kg	10	3	J	mg/kg	10
Zinc		18.2		mg/kg	4	42.5	J	mg/kg	4	3.5	J	mg/kg	4	6.1	J	mg/kg	4
Cyanide		.18	U	mg/kg	.5	.16	U	mg/kg	.5	.13	J	mg/kg	.5	.18	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SURFACE SOIL -- REPORT NO. 8153

Lab Sample Number:	C437C				C437F				C43R6				C452D			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SS5				CF11SS5D				CF11SS6				CF11SS7			
Collect Date:	15-MAY-96				15-MAY-96				16-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE mg/kg																
Aluminum	286		mg/kg	40	249		mg/kg	40	213		mg/kg	40	178		mg/kg	40
Antimony	.44	U	mg/kg	12	.43	U	mg/kg	12	.43	U	mg/kg	12	.41	U	mg/kg	12
Arsenic	.96	J	mg/kg	2	.65	U	mg/kg	2	.64	U	mg/kg	2	.62	U	mg/kg	2
Barium	3.8	J	mg/kg	40	3.9	J	mg/kg	40	5.5	J	mg/kg	40	3.4	J	mg/kg	40
Beryllium	.44	U	mg/kg	1	.43	U	mg/kg	1	.43	U	mg/kg	1	.41	U	mg/kg	1
Cadmium	.65	U	mg/kg	1	.65	U	mg/kg	1	.64	U	mg/kg	1	.62	U	mg/kg	1
Calcium	238	J	mg/kg	1000	207	J	mg/kg	1000	389	J	mg/kg	1000	190	J	mg/kg	1000
Chromium	.48	J	mg/kg	2	.5	J	mg/kg	2	.49	J	mg/kg	2	.48	J	mg/kg	2
Cobalt	1.5	U	mg/kg	10	1.5	U	mg/kg	10	1.5	U	mg/kg	10	1.5	U	mg/kg	10
Copper	.87	U	mg/kg	5	.86	U	mg/kg	5	.85	U	mg/kg	5	.83	U	mg/kg	5
Iron	85.6		mg/kg	20	93.3		mg/kg	20	94.8		mg/kg	20	87		mg/kg	20
Lead	1.6		mg/kg	.6	1.4		mg/kg	.6	2.3		mg/kg	.6	2.3		mg/kg	.6
Magnesium	21	J	mg/kg	1000	18.5	J	mg/kg	1000	32.1	J	mg/kg	1000	30	J	mg/kg	1000
Manganese	1.6	J	mg/kg	3	1.7	J	mg/kg	3	1.6	J	mg/kg	3	2.1	J	mg/kg	3
Mercury	.05	U	mg/kg	.1	.05	U	mg/kg	.1	.05	U	mg/kg	.1	.05	U	mg/kg	.1
Nickel	2.8	U	mg/kg	8	2.8	U	mg/kg	8	2.8	U	mg/kg	8	2.7	U	mg/kg	8
Potassium	10.5	J	mg/kg	1000	9.1	U	mg/kg	1000	15.7	J	mg/kg	1000	14.3	J	mg/kg	1000
Selenium	.87	U	mg/kg	1	.86	U	mg/kg	1	.85	U	mg/kg	1	.83	U	mg/kg	1
Silver	.65	U	mg/kg	2	.65	U	mg/kg	2	.64	U	mg/kg	2	.62	U	mg/kg	2
Sodium	15.5	U	mg/kg	1000	15.3	U	mg/kg	1000	15.2	U	mg/kg	1000	19.9	J	mg/kg	1000
Thallium	.44	U	mg/kg	2	.43	U	mg/kg	2	.43	U	mg/kg	2	.41	U	mg/kg	2
Vanadium	.65	U	mg/kg	10	1.3	J	mg/kg	10	1.1	J	mg/kg	10	1.5	J	mg/kg	10
Zinc	5.1		mg/kg	4	5.2		mg/kg	4	4.2	J	mg/kg	4	7.3		mg/kg	4
Cyanide	.16	U	mg/kg	.5	.16	U	mg/kg	.5	.15	U	mg/kg	.5	.16	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SURFACE SOIL -- REPORT NO. 8153

Lab Sample Number:		C4528				C451J				C4514			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SS8				CF11SS9				CF11SS10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	mg/kg												
Aluminum		12800		mg/kg	40	2230		mg/kg	40	550		mg/kg	40
Antimony		.48	U	mg/kg	12	.42	U	mg/kg	12	.43	U	mg/kg	12
Arsenic		.73	U	mg/kg	2	.63	U	mg/kg	2	.64	U	mg/kg	2
Barium		8.1	J	mg/kg	40	2.2	J	mg/kg	40	3.3	J	mg/kg	40
Beryllium		.48	U	mg/kg	1	.42	U	mg/kg	1	.43	U	mg/kg	1
Cadmium		.73	U	mg/kg	1	.63	U	mg/kg	1	.64	U	mg/kg	1
Calcium		139	J	mg/kg	1000	97.6	J	mg/kg	1000	156	J	mg/kg	1000
Chromium		13.4		mg/kg	2	1.9	J	mg/kg	2	1.6	J	mg/kg	2
Cobalt		1.7	U	mg/kg	10	1.5	U	mg/kg	10	1.5	U	mg/kg	10
Copper		.97	U	mg/kg	5	.84	U	mg/kg	5	.85	U	mg/kg	5
Iron		2030		mg/kg	20	366		mg/kg	20	110		mg/kg	20
Lead		6.1		mg/kg	.6	2.3		mg/kg	.6	1.8		mg/kg	.6
Magnesium		102	J	mg/kg	1000	40.3	J	mg/kg	1000	18.4	J	mg/kg	1000
Manganese		1.8	J	mg/kg	3	2.8	J	mg/kg	3	1.3	J	mg/kg	3
Mercury		.06	U	mg/kg	.1	.05	U	mg/kg	.1	.05	U	mg/kg	.1
Nickel		3.1	U	mg/kg	8	2.7	U	mg/kg	8	2.8	U	mg/kg	8
Potassium		98.4	J	mg/kg	1000	18.8	J	mg/kg	1000	9	U	mg/kg	1000
Selenium		.97	U	mg/kg	1	.84	U	mg/kg	1	.85	U	mg/kg	1
Silver		.73	U	mg/kg	2	.63	U	mg/kg	2	.64	U	mg/kg	2
Sodium		17.2	U	mg/kg	1000	14.8	U	mg/kg	1000	15.2	U	mg/kg	1000
Thallium		.55	J	mg/kg	2	.42	U	mg/kg	2	.43	U	mg/kg	2
Vanadium		14.4		mg/kg	10	1.1	J	mg/kg	10	1.2	J	mg/kg	10
Zinc		8.7		mg/kg	4	5		mg/kg	4	4.1	J	mg/kg	4
Cyanide		.17	U	mg/kg	.5	.13	U	mg/kg	.5	.16	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
TPH AND TOC -- SURFACE SOIL -- REPORT NO. 8154

Lab Sample Number:		A6E1801080		
Site		CECIL6		
Locator		CF11SS5		
Collect Date:		17-MAY-96		
	VALUE	QUAL	UNITS	DL
TPH mg/kg				
Total petroleum hydrocarbons	-		mg/kg	
TOC mg/kg				
Total organic carbon	11000		mg/kg	110

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8155
SURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:	A6E2201110				A6E2201210				A6E2201110				A6E2201210			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:	20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES ug/kg																
2,4-D	93	U	ug/kg	93	94	U	ug/kg	94	83	U	ug/kg	83	98	U	ug/kg	98
2,4,5-T	23	U	ug/kg	23	24	U	ug/kg	24	21	U	ug/kg	21	25	U	ug/kg	25
2,4,5-TP (Silvex)	23	U	ug/kg	23	24	U	ug/kg	24	21	U	ug/kg	21	25	U	ug/kg	25
ORGANOPHOSPHORUS PESTICIDES ug/kg																
Dimethoate	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Disulfoton	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Famphur	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Methyl parathion	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Parathion	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Phorate	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Tetraethyldithiopyrophosphate	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
Thionazin	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330
O,O,O-Triethylphosphorothioate	15000	U	ug/kg	15000	1600	U	ug/kg	1600	34	U	ug/kg	34	330	U	ug/kg	330

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8155
SURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:	A6E1601560				A6E1601560				A6E1701600				A6E2201110			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SS5				CF11SS5D				CF11SS6				CF11SS7			
Collect Date:	15-MAY-96				15-MAY-96				16-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES ug/kg																
2,4-D	87	U	ug/kg	87	86	U	ug/kg	86	85	U	ug/kg	85	83	U	ug/kg	83
2,4,5-T	22	U	ug/kg	22	22	U	ug/kg	22	21	U	ug/kg	21	21	U	ug/kg	21
2,4,5-TP (Silvex)	22	U	ug/kg	22	22	U	ug/kg	22	21	U	ug/kg	21	21	U	ug/kg	21
ORGANOPHOSPHORUS PESTICIDES ug/kg																
Dimethoate	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Disulfoton	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Famphur	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Methyl parathion	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Parathion	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Phorate	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Tetraethyldithiopyrophosphate	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
Thionazin	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140
O,O,O-Triethylphosphorothioate	36	U	ug/kg	36	36	U	ug/kg	36	280	U	ug/kg	280	140	U	ug/kg	140

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8155
SURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6E2201110				A6E2201110				A6E2201110			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SS8				CF11SS9				CF11SS10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/kg												
2,4-D		97	U	ug/kg	97	83	U	ug/kg	83	86	U	ug/kg	86
2,4,5-T		24	U	ug/kg	24	21	U	ug/kg	21	21	U	ug/kg	21
2,4,5-TP (Silvex)		24	U	ug/kg	24	21	U	ug/kg	21	21	U	ug/kg	21
ORGANOPHOSPHORUS PESTICIDES	ug/kg												
Dimethoate		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Disulfoton		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Famphur		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Methyl parathion		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Parathion		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Phorate		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Tetraethyldithiopyrophosphate		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
Thionazin		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35
O,O,O-Triethylphosphorothioate		40	U	ug/kg	40	140	U	ug/kg	140	35	U	ug/kg	35

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E2201110				A6E2201210				A6E2201110				A6E2201210			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SS1				CF11SS2				CF11SS3				CF11SS4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
NEMAGON	ug/kg																
1,2-Dibromo-3-chloropropane		2.3	U	ug/kg	2.3	2.4	U	ug/kg	2.4	2.6	U	ug/kg	2.6	2.5	U	ug/kg	2.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E1601560			A6E1601560			A6E1701600			A6E2201110		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SS5			CF11SS5D			CF11SS6			CF11SS7		
Collect Date:		15-MAY-96			15-MAY-96			16-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		5.4 U	ug/kg	5.4	5.4 U	ug/kg	5.4	5.3 U	ug/kg	5.3	2.1 U	ug/kg	2.1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:	A6E2201110			A6E2201110			A6E2201110			A6E2201210		
Site	CECIL6			CECIL6			CECIL6			CECIL6		
Locator	CF11SS8			CF11SS9			CF11SS10			CF11SS11		
Collect Date:	21-MAY-96			20-MAY-96			20-MAY-96			21-MAY-96		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON ug/kg												
1,2-Dibromo-3-chloropropane	2.4 U	ug/kg	2.4	2.6 U	ug/kg	2.6	2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E2201210			A6E2201210			A6E2201210			A6E2201210		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SS12			CF11SS13			CF11SS15			CF11SS16		
Collect Date:		21-MAY-96			21-MAY-96			21-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		2.1 U	ug/kg	2.1	2.4 U	ug/kg	2.4	2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E2201210			A6E2201210			A6E2201210			A6E2201210		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SS17			CF11SS18			CF11SS19			CF11SS20		
Collect Date:		21-MAY-96			21-MAY-96			21-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E2201210			A6E2201210			A6E2201210			A6E2201210		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SS21			CF11SS22			CF11SS23			CF11SS24		
Collect Date:		21-MAY-96			21-MAY-96			21-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1	2.1 U	ug/kg	2.1	2.2 U	ug/kg	2.2

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E1601560				A6E1601560				A6E1601560				A6E1601560		
Site		CECIL6				CECIL6				CECIL6				CECIL6		
Locator		CF11SS25				CF11SS26				CF11SS27				CF11SS29		
Collect Date:		15-MAY-96				15-MAY-96				15-MAY-96				15-MAY-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
NEMAGON	ug/kg																
1,2-Dibromo-3-chloropropane		5.3	U	ug/kg	5.3	6.2	U	ug/kg	6.2	5.5	U	ug/kg	5.5	280	U	ug/kg	280

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7887
NEMAGON -- SURFACE SOIL

Lab Sample Number:		A6E2201110			A6E2201110		
Site		CECIL6			CECIL6		
Locator		CF11SS30			CF11SS31		
Collect Date:		18-MAY-96			18-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg						
1,2-Dibromo-3-chloropropane		3.4	ug/kg	2.1	2.2 U	ug/kg	2.2

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

Section 1.2

Site 11, Subsurface Soil Sample Analytical Results

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8156

Lab Sample Number:		C451Q				C453A				C451P				C453D			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB1				CF11SB2				CF11SB3				CF11SB4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg																
Chloromethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride		3	J	ug/kg	12	3	J	ug/kg	12	3	J	ug/kg	12	3	J	ug/kg	12
Acetone		12	U	ug/kg	12	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		12	U	ug/kg	12	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		12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone		12	U	ug/kg	12	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 R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8156

Lab Sample Number:		C437G				C437H				C452E				C452C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB5				CF11SB5D				CF11SB7				CF11SB8			
Collect Date:		15-MAY-96				15-MAY-96				21-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg																
Chloromethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	3	J	ug/kg	11	3	J	ug/kg	11
Acetone		28		ug/kg	11	21		ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
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	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
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	5	J	ug/kg	11
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	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	11	U	ug/kg	11
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 R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8156

Lab Sample Number:		C452CRE				C451M				C451G			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SB8RE				CF11SB9				CF11SB10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/kg												
Chloromethane		11	U	ug/kg	11	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
Vinyl chloride		11	U	ug/kg	11	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
Methylene chloride		3	J	ug/kg	11	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
Carbon disulfide		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
1,1-Dichloroethane		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
Chloroform		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
2-Butanone		11	U	ug/kg	11	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
Carbon tetrachloride		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
1,2-Dichloropropane		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
Trichloroethene		3	J	ug/kg	11	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
1,1,2-Trichloroethane		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
trans-1,3-Dichloropropene		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
4-Methyl-2-pentanone		11	U	ug/kg	11	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
Tetrachloroethene		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
1,1,2,2-Tetrachloroethane		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
Ethylbenzene		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
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:		C451Q				C453A				C451P				C451PRE			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB1				CF11SB2				CF11SB3				CF11SB3RE			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg																
Phenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethyl) ether		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Chlorophenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,3-Dichlorobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,4-Dichlorobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,2-Dichlorobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylphenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Methylphenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
N-Nitroso-di-n-propylamine		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachloroethane		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Nitrobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Isophorone		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitrophenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dimethylphenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethoxy) methane		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dichlorophenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,2,4-Trichlorobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Naphthalene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloroaniline		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobutadiene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloro-3-methylphenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylnaphthalene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorocyclopentadiene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4,6-Trichlorophenol		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4,5-Trichlorophenol		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
2-Chloronaphthalene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitroaniline		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
Dimethylphthalate		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Acenaphthylene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,6-Dinitrotoluene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
3-Nitroaniline		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
Acenaphthene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrophenol		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
4-Nitrophenol		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
Dibenzofuran		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrotoluene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Diethylphthalate		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chlorophenyl-phenylether		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Fluorene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Nitroaniline		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
4,6-Dinitro-2-methylphenol		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
N-Nitrosodiphenylamine		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Bromophenyl-phenylether		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobenzene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Pentachlorophenol		960	U	ug/kg	960	940	U	ug/kg	940	950	U	ug/kg	950	950	U	ug/kg	950
Phenanthrene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Anthracene		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Carbazole		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-butylphthalate		400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:	C451Q				C453A				C451P				C451PRE			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SB1				CF11SB2				CF11SB3				CF11SB3RE			
Collect Date:	20-MAY-96				21-MAY-96				20-MAY-96				20-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Pyrene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Butylbenzylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
3,3-Dichlorobenzidine	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) anthracene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Chrysene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	80	J	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-octylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (b) fluoranthene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (k) fluoranthene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) pyrene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Dibenzo (a,h) anthracene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (g,h,i) perylene	400	U	ug/kg	400	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:		C453D				C437G				C437H				C452E			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB4				CF11SB5				CF11SB5D				CF11SB7			
Collect Date:		21-MAY-96				15-MAY-96				15-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg																
Phenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
bis(2-Chloroethyl) ether		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2-Chlorophenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
1,3-Dichlorobenzene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
1,4-Dichlorobenzene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
1,2-Dichlorobenzene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2-Methylphenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,2-oxybis(1-Chloropropane)		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
4-Methylphenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
N-Nitroso-di-n-propylamine		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Hexachloroethane		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Nitrobenzene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Isophorone		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2-Nitrophenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4-Dimethylphenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
bis(2-Chloroethoxy) methane		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4-Dichlorophenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
1,2,4-Trichlorobenzene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Naphthalene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
4-Chloroaniline		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Hexachlorobutadiene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
4-Chloro-3-methylphenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2-Methylnaphthalene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Hexachlorocyclopentadiene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4,6-Trichlorophenol		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4,5-Trichlorophenol		960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
2-Chloronaphthalene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2-Nitroaniline		960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
Dimethylphthalate		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Acenaphthylene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,6-Dinitrotoluene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
3-Nitroaniline		960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
Acenaphthene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4-Dinitrophenol		960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
4-Nitrophenol		960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
Dibenzofuran		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
2,4-Dinitrotoluene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Diethylphthalate		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
4-Chlorophenyl-phenylether		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Fluorene		400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:	C453D				C437G				C437H				C452E			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11SB4				CF11SB5				CF11SB5D				CF11SB7			
Collect Date:	21-MAY-96				15-MAY-96				15-MAY-96				21-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
4,6-Dinitro-2-methylphenol	960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
N-Nitrosodiphenylamine	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
4-Bromophenyl-phenylether	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Hexachlorobenzene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Pentachlorophenol	960	U	ug/kg	960	920	U	ug/kg	920	940	U	ug/kg	940	910	U	ug/kg	910
Phenanthrene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Anthracene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Carbazole	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Di-n-butylphthalate	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Fluoranthene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Pyrene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Butylbenzylphthalate	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
3,3-Dichlorobenzidine	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Benzo (a) anthracene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Chrysene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	400	U	ug/kg	400	78	J	ug/kg	380	390	U	ug/kg	390	45	J	ug/kg	380
Di-n-octylphthalate	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Benzo (b) fluoranthene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Benzo (k) fluoranthene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Benzo (a) pyrene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Dibenzo (a,h) anthracene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380
Benzo (g,h,i) perylene	400	U	ug/kg	400	380	U	ug/kg	380	390	U	ug/kg	390	380	U	ug/kg	380

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:		C452C				C451M				C451G			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11SB8				CF11SB9				CF11SB10			
Collect Date:		21-MAY-96				20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/kg												
Phenol		380	U	ug/kg	380	390	U	ug/kg	390	2000		ug/kg	400
bis(2-Chloroethyl) ether		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Chlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,3-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,4-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,2-Dichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Methylphenol		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	390	U	ug/kg	390	410	U	ug/kg	410
4-Methylphenol		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	390	U	ug/kg	390	410	U	ug/kg	410
Hexachloroethane		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Nitrobenzene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Isophorone		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Nitrophenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dimethylphenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
bis(2-Chloroethoxy) methane		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dichlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
1,2,4-Trichlorobenzene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Naphthalene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chloroaniline		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorobutadiene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chloro-3-methylphenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Methylnaphthalene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorocyclopentadiene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4,6-Trichlorophenol		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4,5-Trichlorophenol		910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
2-Chloronaphthalene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2-Nitroaniline		910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
Dimethylphthalate		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Acenaphthylene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,6-Dinitrotoluene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
3-Nitroaniline		910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
Acenaphthene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dinitrophenol		910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
4-Nitrophenol		910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
Dibenzofuran		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
2,4-Dinitrotoluene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Diethylphthalate		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Chlorophenyl-phenylether		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Fluorene		380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- SUBSURFACE SOIL -- REPORT NO. 8157

Lab Sample Number:	C452C				C451M				C451G			
Site	CECIL6				CECIL6				CECIL6			
Locator	CF11SB8				CF11SB9				CF11SB10			
Collect Date:	21-MAY-96				20-MAY-96				20-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
4,6-Dinitro-2-methylphenol	910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
N-Nitrosodiphenylamine	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
4-Bromophenyl-phenylether	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Hexachlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Pentachlorophenol	910	U	ug/kg	910	960	U	ug/kg	960	990	U	ug/kg	990
Phenanthrene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Anthracene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Carbazole	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Di-n-butylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Pyrene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Butylbenzylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
3,3-Dichlorobenzidine	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (a) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Chrysene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
bis(2-Ethylhexyl) phthalate	120	J	ug/kg	380	48	J	ug/kg	390	110	J	ug/kg	400
Di-n-octylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (b) fluoranthene	56	J	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (k) fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (a) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Dibenzo (a,h) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410
Benzo (g,h,i) perylene	380	U	ug/kg	380	390	U	ug/kg	390	410	U	ug/kg	410

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SUBSURFACE SOIL -- REPORT NO. 8158

Lab Sample Number:		C451Q				C453A				C451P				C453D			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB1				CF11SB2				CF11SB3				CF11SB4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg																
alpha-BHC		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
beta-BHC		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Aldrin		.11	J	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor epoxide		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin		.69	J	ug/kg	4	.45	J	ug/kg	4	.26	J	ug/kg	4	4	U	ug/kg	4
4,4-DDE		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
Endrin		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan II		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDD		.054	J	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
Endosulfan sulfate		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
4,4-DDT		.38	J	ug/kg	4	.49	J	ug/kg	4	.32	J	ug/kg	4	.41	J	ug/kg	4
Methoxychlor		20	U	ug/kg	20	.18	J	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
Endrin aldehyde		4	U	ug/kg	4	3.9	U	ug/kg	3.9	4	U	ug/kg	4	4	U	ug/kg	4
alpha-Chlordane		.12	J	ug/kg	2	.07	J	ug/kg	2	.1	J	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane		2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene		200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1221		79	U	ug/kg	79	78	U	ug/kg	78	79	U	ug/kg	79	80	U	ug/kg	80
Aroclor-1232		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1242		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1248		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1254		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40
Aroclor-1260		40	U	ug/kg	40	39	U	ug/kg	39	40	U	ug/kg	40	40	U	ug/kg	40

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SUBSURFACE SOIL -- REPORT NO. 8158

Lab Sample Number:		C437G				C437H				C452E				C452C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB5				CF11SB5D				CF11SB7				CF11SB8			
Collect Date:		15-MAY-96				15-MAY-96				21-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg																
alpha-BHC		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
beta-BHC		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
delta-BHC		.069	J	ug/kg	2	.085	J	ug/kg	2	.042	J	ug/kg	2	.14	J	ug/kg	2
gamma-BHC (Lindane)		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Heptachlor		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Aldrin		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Heptachlor epoxide		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	.078	J	ug/kg	2
Endosulfan I		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Dieldrin		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.2	J	ug/kg	4
4,4-DDE		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
Endrin		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
Endosulfan II		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
4,4-DDD		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	.46	J	ug/kg	4
Endosulfan sulfate		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
4,4-DDT		.19	J	ug/kg	4	3.9	U	ug/kg	3.9	2.6	J	ug/kg	4	2	J	ug/kg	4
Methoxychlor		.34	J	ug/kg	20	.36	J	ug/kg	20	19	U	ug/kg	19	19	U	ug/kg	19
Endrin ketone		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
Endrin aldehyde		3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8
alpha-Chlordane		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	.53	J	ug/kg	2
gamma-Chlordane		1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Toxaphene		190	U	ug/kg	190	200	U	ug/kg	200	190	U	ug/kg	190	190	U	ug/kg	190
Aroclor-1016		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1221		77	U	ug/kg	77	78	U	ug/kg	78	76	U	ug/kg	76	76	U	ug/kg	76
Aroclor-1232		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1242		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1248		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1254		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38
Aroclor-1260		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	38	U	ug/kg	38

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- SUBSURFACE SOIL -- REPORT NO. 8158

Lab Sample Number:		C451M				C451G			
Site		CECIL6				CECIL6			
Locator		CF11SB9				CF11SB10			
Collect Date:		20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg								
alpha-BHC		.29	J	ug/kg	2	2	U	ug/kg	2
beta-BHC		2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC		.088	J	ug/kg	2	.065	J	ug/kg	2
gamma-BHC (Lindane)		2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor		2	U	ug/kg	2	2	U	ug/kg	2
Aldrin		.58	J	ug/kg	2	2	U	ug/kg	2
Heptachlor epoxide		2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I		2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin		4	U	ug/kg	4	4.1	U	ug/kg	4.1
4,4-DDE		4	U	ug/kg	4	4.1	U	ug/kg	4.1
Endrin		4	U	ug/kg	4	4.1	U	ug/kg	4.1
Endosulfan II		.17	J	ug/kg	4	.16	J	ug/kg	4
4,4-DDD		4	U	ug/kg	4	4.1	U	ug/kg	4.1
Endosulfan sulfate		4	U	ug/kg	4	4.1	U	ug/kg	4.1
4,4-DDT		.15	J	ug/kg	4	.22	J	ug/kg	4
Methoxychlor		20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone		4	U	ug/kg	4	4.1	U	ug/kg	4.1
Endrin aldehyde		4	U	ug/kg	4	4.1	U	ug/kg	4.1
alpha-Chlordane		2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane		2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene		200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016		40	U	ug/kg	40	41	U	ug/kg	41
Aroclor-1221		80	U	ug/kg	80	82	U	ug/kg	82
Aroclor-1232		40	U	ug/kg	40	41	U	ug/kg	41
Aroclor-1242		40	U	ug/kg	40	41	U	ug/kg	41
Aroclor-1248		40	U	ug/kg	40	41	U	ug/kg	41
Aroclor-1254		40	U	ug/kg	40	41	U	ug/kg	41
Aroclor-1260		40	U	ug/kg	40	41	U	ug/kg	41

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SUBSURFACE SOIL -- REPORT NO. 8159

Lab Sample Number:		C451Q				C453A				C451P				C453D			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB1				CF11SB2				CF11SB3				CF11SB4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	mg/kg																
Aluminum		14500		mg/kg	40	11500		mg/kg	40	9690		mg/kg	40	12400		mg/kg	40
Antimony		.48	U	mg/kg	12	.47	U	mg/kg	12	.48	U	mg/kg	12	.48	U	mg/kg	12
Arsenic		1.5	J	mg/kg	2	449		mg/kg	2	.79	J	mg/kg	2	1.8	J	mg/kg	2
Barium		8.5	J	mg/kg	40	11.2	J	mg/kg	40	11.9	J	mg/kg	40	10.5	J	mg/kg	40
Beryllium		.48	U	mg/kg	1	.24	U	mg/kg	1	.48	U	mg/kg	1	.24	U	mg/kg	1
Cadmium		.72	U	mg/kg	1	.24	U	mg/kg	1	.71	U	mg/kg	1	.24	U	mg/kg	1
Calcium		169	J	mg/kg	1000	92.6	J	mg/kg	1000	106	J	mg/kg	1000	83.5	J	mg/kg	1000
Chromium		14.8		mg/kg	2	13		mg/kg	2	8.1		mg/kg	2	14.6		mg/kg	2
Cobalt		1.7	U	mg/kg	10	.48	J	mg/kg	10	1.7	U	mg/kg	10	.33	J	mg/kg	10
Copper		.97	U	mg/kg	5	.72	J	mg/kg	5	.95	U	mg/kg	5	.72	J	mg/kg	5
Iron		7740		mg/kg	20	2520		mg/kg	20	2120		mg/kg	20	2800		mg/kg	20
Lead		7		mg/kg	.6	8.1		mg/kg	.6	6.1		mg/kg	.6	7.7		mg/kg	.6
Magnesium		231	J	mg/kg	1000	154	J	mg/kg	1000	119	J	mg/kg	1000	144	J	mg/kg	1000
Manganese		2.9	J	mg/kg	3	2	J	mg/kg	3	2.7	J	mg/kg	3	2.6	J	mg/kg	3
Mercury		.06	U	mg/kg	.1	.06	U	mg/kg	.1	1.4		mg/kg	.1	.06	U	mg/kg	.1
Nickel		3.1	U	mg/kg	8	2.9	J	mg/kg	8	3.1	U	mg/kg	8	3.1	J	mg/kg	8
Potassium		150	J	mg/kg	1000	244	J	mg/kg	1000	59.6	J	mg/kg	1000	225	J	mg/kg	1000
Selenium		.97	U	mg/kg	1	.94	U	mg/kg	1	.95	U	mg/kg	1	.96	U	mg/kg	1
Silver		.72	U	mg/kg	2	.24	U	mg/kg	2	.71	U	mg/kg	2	.24	U	mg/kg	2
Sodium		17.1	U	mg/kg	1000	37.6	J	mg/kg	1000	16.9	U	mg/kg	1000	17	U	mg/kg	1000
Thallium		.48	U	mg/kg	2	.81	J	mg/kg	2	.48	U	mg/kg	2	.48	U	mg/kg	2
Vanadium		17.9		mg/kg	10	11.8	J	mg/kg	10	10.5	J	mg/kg	10	20.5		mg/kg	10
Zinc		6.1		mg/kg	4	4.5	J	mg/kg	4	8.9		mg/kg	4	6	J	mg/kg	4
Cyanide		.16	U	mg/kg	.5	.19	U	mg/kg	.5	.18	U	mg/kg	.5	.15	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SUBSURFACE SOIL -- REPORT NO. 8159

Lab Sample Number:		C437G				C437H				C452E				C452C			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB5				CF11SB5D				CF11SB7				CF11SB8			
Collect Date:		15-MAY-96				15-MAY-96				21-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	mg/kg																
Aluminum		2390		mg/kg	40	2690		mg/kg	40	8500		mg/kg	40	1460		mg/kg	40
Antimony		.46	U	mg/kg	12	.47	U	mg/kg	12	.46	U	mg/kg	12	.46	U	mg/kg	12
Arsenic		31.8		mg/kg	2	27.3		mg/kg	2	.92	J	mg/kg	2	.99	J	mg/kg	2
Barium		3.6	J	mg/kg	40	4.1	J	mg/kg	40	8.7	J	mg/kg	40	3	J	mg/kg	40
Beryllium		.46	U	mg/kg	1	.47	U	mg/kg	1	.46	U	mg/kg	1	.46	U	mg/kg	1
Cadmium		.69	U	mg/kg	1	.7	U	mg/kg	1	.68	U	mg/kg	1	.68	U	mg/kg	1
Calcium		55.8	J	mg/kg	1000	53.7	J	mg/kg	1000	80	J	mg/kg	1000	428	J	mg/kg	1000
Chromium		2.3	J	mg/kg	2	2.7		mg/kg	2	7.4		mg/kg	2	1.6	J	mg/kg	2
Cobalt		1.6	U	mg/kg	10	1.6	U	mg/kg	10	1.6	U	mg/kg	10	1.6	U	mg/kg	10
Copper		.92	U	mg/kg	5	.94	U	mg/kg	5	.98	J	mg/kg	5	.91	U	mg/kg	5
Iron		260		mg/kg	20	328		mg/kg	20	2410		mg/kg	20	326		mg/kg	20
Lead		2.2		mg/kg	.6	2.4		mg/kg	.6	5		mg/kg	.6	3.1		mg/kg	.6
Magnesium		35.8	J	mg/kg	1000	54.7	J	mg/kg	1000	99.1	J	mg/kg	1000	60.4	J	mg/kg	1000
Manganese		1.3	J	mg/kg	3	1.7	J	mg/kg	3	2.2	J	mg/kg	3	5.3		mg/kg	3
Mercury		.06	U	mg/kg	.1	.06	U	mg/kg	.1	.06	U	mg/kg	.1	.06	U	mg/kg	.1
Nickel		3	U	mg/kg	8	3	U	mg/kg	8	3	U	mg/kg	8	3	U	mg/kg	8
Potassium		15.9	J	mg/kg	1000	23.1	J	mg/kg	1000	51.2	J	mg/kg	1000	27	J	mg/kg	1000
Selenium		.92	U	mg/kg	1	.94	U	mg/kg	1	.91	U	mg/kg	1	.91	U	mg/kg	1
Silver		.69	U	mg/kg	2	.7	U	mg/kg	2	.68	U	mg/kg	2	.68	U	mg/kg	2
Sodium		16.4	U	mg/kg	1000	19.9	J	mg/kg	1000	17	J	mg/kg	1000	16.2	U	mg/kg	1000
Thallium		.46	U	mg/kg	2	.47	U	mg/kg	2	.46	U	mg/kg	2	.46	U	mg/kg	2
Vanadium		2	J	mg/kg	10	2.5	J	mg/kg	10	12.4		mg/kg	10	1.8	J	mg/kg	10
Zinc		4.9		mg/kg	4	4.9		mg/kg	4	7		mg/kg	4	7.1		mg/kg	4
Cyanide		.17	U	mg/kg	.5	.17	U	mg/kg	.5	.18	U	mg/kg	.5	.16	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- SUBSURFACE SOIL -- REPORT NO. 8159

Lab Sample Number:		C451M				C451G			
Site		CECIL6				CECIL6			
Locator		CF11SB9				CF11SB10			
Collect Date:		20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	mg/kg								
Aluminum		13700		mg/kg	40	10300		mg/kg	40
Antimony		.48	U	mg/kg	12	.49	U	mg/kg	12
Arsenic		1.6	J	mg/kg	2	.74	U	mg/kg	2
Barium		8.7	J	mg/kg	40	7	J	mg/kg	40
Beryllium		.48	U	mg/kg	1	.49	U	mg/kg	1
Cadmium		.72	U	mg/kg	1	.74	U	mg/kg	1
Calcium		59.7	J	mg/kg	1000	57.8	J	mg/kg	1000
Chromium		14.8		mg/kg	2	10.3		mg/kg	2
Cobalt		1.7	U	mg/kg	10	1.7	U	mg/kg	10
Copper		.96	U	mg/kg	5	.99	U	mg/kg	5
Iron		5210		mg/kg	20	1520		mg/kg	20
Lead		7.2		mg/kg	.6	7.2		mg/kg	.6
Magnesium		137	J	mg/kg	1000	79.6	J	mg/kg	1000
Manganese		1.4	J	mg/kg	3	1.1	J	mg/kg	3
Mercury		.09	J	mg/kg	.1	.06	U	mg/kg	.1
Nickel		3.1	U	mg/kg	8	3.2	U	mg/kg	8
Potassium		84.8	J	mg/kg	1000	46.8	J	mg/kg	1000
Selenium		.96	U	mg/kg	1	.99	U	mg/kg	1
Silver		.72	U	mg/kg	2	.74	U	mg/kg	2
Sodium		22.9	J	mg/kg	1000	17.5	U	mg/kg	1000
Thallium		.48	U	mg/kg	2	.82	J	mg/kg	2
Vanadium		18.5		mg/kg	10	6.1	J	mg/kg	10
Zinc		7.2		mg/kg	4	4.3	J	mg/kg	4
Cyanide		.2	U	mg/kg	.5	.16	U	mg/kg	.5

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8160
SUBSURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6E2201110				A6E2201210				A6E2201110				A6E2201210			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB1				CF11SB2				CF11SB3				CF11SB4			
Collect Date:		20-MAY-96				21-MAY-96				20-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/kg																
2,4-D		96	U	ug/kg	96	94	U	ug/kg	94	95	U	ug/kg	95	96	U	ug/kg	96
2,4,5-T		24	U	ug/kg	24	24	U	ug/kg	24	24	U	ug/kg	24	24	U	ug/kg	24
2,4,5-TP (Silvex)		24	U	ug/kg	24	24	U	ug/kg	24	24	U	ug/kg	24	24	U	ug/kg	24
ORGANOPHOSPHORUS PESTICIDES	ug/kg																
Dimethoate		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Disulfoton		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Famphur		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Methyl parathion		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Parathion		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Phorate		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Tetraethyldithiopyrophosphate		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Thionazin		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
O,O,O-Triethylphosphorothioate		160	U	ug/kg	160	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8160
SUBSURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6E1601560				A6E1601560				A6E2201110				A6E2201110			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11SB5				CF11SB5D				CF11SB7				CF11SB8			
Collect Date:		15-MAY-96				15-MAY-96				21-MAY-96				21-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/kg																
2,4-D		92	U	ug/kg	92	94	U	ug/kg	94	91	U	ug/kg	91	91	U	ug/kg	91
2,4,5-T		23	U	ug/kg	23	23	U	ug/kg	23	23	U	ug/kg	23	23	U	ug/kg	23
2,4,5-TP (Silvex)		23	U	ug/kg	23	23	U	ug/kg	23	23	U	ug/kg	23	23	U	ug/kg	23
ORGANOPHOSPHORUS PESTICIDES	ug/kg																
Dimethoate		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Disulfoton		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Famphur		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Methyl parathion		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Parathion		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Phorate		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Tetraethyldithiopyrophosphate		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
Thionazin		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150
O,O,O-Triethylphosphorothioate		38	U	ug/kg	38	39	U	ug/kg	39	38	U	ug/kg	38	150	U	ug/kg	150

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8160
SUBSURFACE SOIL -- HERBICIDES & ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6E2201110				A6E2201110			
Site		CECIL6				CECIL6			
Locator		CF11SB9				CF11SB10			
Collect Date:		20-MAY-96				20-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/kg								
2,4-D		96	U	ug/kg	96	99	U	ug/kg	99
2,4,5-T		24	U	ug/kg	24	25	U	ug/kg	25
2,4,5-TP (Silvex)		24	U	ug/kg	24	25	U	ug/kg	25
ORGANOPHOSPHORUS PESTICIDES	ug/kg								
Dimethoate		39	U	ug/kg	39	41	U	ug/kg	41
Disulfoton		39	U	ug/kg	39	41	U	ug/kg	41
Famphur		39	U	ug/kg	39	41	U	ug/kg	41
Methyl parathion		39	U	ug/kg	39	41	U	ug/kg	41
Parathion		39	U	ug/kg	39	41	U	ug/kg	41
Phorate		39	U	ug/kg	39	41	U	ug/kg	41
Tetraethyldithiopyrophosphate		39	U	ug/kg	39	41	U	ug/kg	41
Thionazin		39	U	ug/kg	39	41	U	ug/kg	41
O,O,O-Triethylphosphorothioate		39	U	ug/kg	39	41	U	ug/kg	41

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7922
NEMAGON -- SUBSURFACE SOIL

Lab Sample Number:		A6E2201110			A6E2201210			A6E2201110			A6E2201210		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SB1			CF11SB2			CF11SB3			CF11SB4		
Collect Date:		20-MAY-96			21-MAY-96			20-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		2.4 U	ug/kg	2.4	2.4 U	ug/kg	2.4	3 U	ug/kg	3	2.4 U	ug/kg	2.4

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7922
NEMAGON -- SUBSURFACE SOIL

Lab Sample Number:		A6E1601560			A6E1601560			A6E2201110			A6E2201110		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SB5			CF11SB5D			CF11SB7			CF11SB8		
Collect Date:		15-MAY-96			15-MAY-96			21-MAY-96			21-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		290 U	ug/kg	290	290 U	ug/kg	290	2.3 U	ug/kg	2.3	2.3 U	ug/kg	2.3

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7922
NEMAGON -- SUBSURFACE SOIL

Lab Sample Number:		A6E2201110				A6E2201110				A6E1801080				A6E1801080		
Site		CECIL6				CECIL6				CECIL6				CECIL6		
Locator		CF11SB9				CF11SB10				CF11SB25				CF11SB25D		
Collect Date:		20-MAY-96				20-MAY-96				17-MAY-96				17-MAY-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
NEMAGON	ug/kg																
1,2-Dibromo-3-chloropropane		3	U	ug/kg	3	2.5	U	ug/kg	2.5	2.4	U	ug/kg	2.4	3	U	ug/kg	3

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7922
NEMAGON -- SUBSURFACE SOIL

Lab Sample Number:		A6E1801080			A6E1801080			A6E2201110			A6E2201110		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11SB26			CF11SB27			CF11SB28			CF11SB29		
Collect Date:		17-MAY-96			17-MAY-96			18-MAY-96			18-MAY-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
NEMAGON	ug/kg												
1,2-Dibromo-3-chloropropane		5.6	U ug/kg	5.6	5.3	U ug/kg	5.3	2.4	U ug/kg	2.4	2.4	U ug/kg	2.4

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7922
NEMAGON -- SUBSURFACE SOIL

Lab Sample Number:		A6E2201110				A6E2201110			
Site		CECIL6				CECIL6			
Locator		CF11SB30				CF11SB31			
Collect Date:		18-MAY-96				18-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
NEMAGON	ug/kg								
1,2-Dibromo-3-chloropropane		2.4	U	ug/kg	2.4	2.1	U	ug/kg	2.1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

Section 1.3

Site 11, Groundwater Sample Analytical Results

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- GROUNDWATER -- REPORT NO. 8161

Lab Sample Number:		C43VP				C43VQ				C43VN				C48F0			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:		17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/l																
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		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	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		2	U	ug/l	2	2	U	ug/l	2	2	U	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	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	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	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 R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
VOLATILES -- GROUNDWATER -- REPORT NO. 8161

Lab Sample Number:		C48GE				C48GF				C48GG			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11MW4S				CF11MW5S				CF11MW6S			
Collect Date:		31-MAY-96				31-MAY-96				31-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW	ug/l												
Chloromethane		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
Vinyl chloride		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
Methylene chloride		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Acetone		3		ug/l	2	3		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
1,1-Dichloroethene		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
1,2-Dichloroethene (total)		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
1,2-Dichloroethane		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
1,1,1-Trichloroethane		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
Bromodichloromethane		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
cis-1,3-Dichloropropene		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
Dibromochloromethane		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
Benzene		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
Bromoform		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-Hexanone		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
Toluene		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
Chlorobenzene		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
Styrene		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

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- GROUNDWATER -- REPORT NO. 8162

Lab Sample Number:		C43VP				C43VQ				C43VN				C48F0			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:		17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/l																
Phenol		10	U	ug/l	10	49		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		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

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- GROUNDWATER -- REPORT NO. 8162

Lab Sample Number:	C43VP				C43VQ				C43VN				C48F0			
Site	CECIL6				CECIL6				CECIL6				CECIL6			
Locator	CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:	17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	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	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
Dibenzo (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 R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- GROUNDWATER -- REPORT NO. 8162

Lab Sample Number:		C48GE			C48GF			C48GG		
Site		CECIL6			CECIL6			CECIL6		
Locator		CF11MW4S			CF11MW5S			CF11MW6S		
Collect Date:		31-MAY-96			31-MAY-96			31-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW	ug/l									
Phenol		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
2-Chlorophenol		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
1,4-Dichlorobenzene		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
2-Methylphenol		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
4-Methylphenol		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
Hexachloroethane		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
Isophorone		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
2,4-Dimethylphenol		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
2,4-Dichlorophenol		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
Naphthalene		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
Hexachlorobutadiene		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
2-Methylnaphthalene		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
2,4,6-Trichlorophenol		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
2-Chloronaphthalene		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
Dimethylphthalate		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
2,6-Dinitrotoluene		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
Acenaphthene		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
4-Nitrophenol		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
2,4-Dinitrotoluene		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
4-Chlorophenyl-phenylether		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

NAS CECIL FIELD -- OU 6 / SITE 11
SEMIVOLATILES -- GROUNDWATER -- REPORT NO. 8162

Lab Sample Number:	C48GE				C48GF				C48GG			
Site	CECIL6				CECIL6				CECIL6			
Locator	CF11MW4S				CF11MW5S				CF11MW6S			
Collect Date:	31-MAY-96				31-MAY-96				31-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	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
N-Nitrosodiphenylamine	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
Hexachlorobenzene	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
Phenanthrene	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
Carbazole	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
Fluoranthene	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
Butylbenzylphthalate	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
Benzo (a) anthracene	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
bis(2-Ethylhexyl) phthalate	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
Benzo (b) fluoranthene	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
Benzo (a) pyrene	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
Dibenzo (a,h) anthracene	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

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- GROUNDWATER -- REPORT NO. 8163

Lab Sample Number:		C43VP				C43VQ				C43VN				C48FO			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:		17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	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		.0016	J	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

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
PESTICIDES AND PCBs -- GROUNDWATER -- REPORT NO. 8163

Lab Sample Number:		C48GE				C48GF				C48GG			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11MW4S				CF11MW5S				CF11MW6S			
Collect Date:		31-MAY-96				31-MAY-96				31-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/l												
alpha-BHC		.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
delta-BHC		.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
Heptachlor		.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
Heptachlor epoxide		.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
Dieldrin		.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
Endrin		.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
4,4-DDD		.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
4,4-DDT		.0024	J	ug/l	.1	.019	J	ug/l	.1	.1	U	ug/l	.1
Methoxychlor		.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
Endrin aldehyde		.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
gamma-Chlordane		.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
Aroclor-1016		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
Aroclor-1232		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
Aroclor-1248		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
Aroclor-1260		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- GROUNDWATER -- REPORT NO. 8164

Lab Sample Number:		C43VP				C43VQ				C43VN				C48F0			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:		17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	ug/l																
Aluminum		1860		ug/l	200	4190		ug/l	200	327		ug/l	200	1400		ug/l	200
Antimony		2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60	2.6	J	ug/l	60
Arsenic		4.5	J	ug/l	10	3.9	J	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium		94	J	ug/l	200	95.3	J	ug/l	200	35.4	J	ug/l	200	53.1	J	ug/l	200
Beryllium		2	U	ug/l	5	2	U	ug/l	5	2	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	1	U	ug/l	5
Calcium		2450	J	ug/l	5000	3290	J	ug/l	5000	5240		ug/l	5000	1740	J	ug/l	5000
Chromium		2	U	ug/l	10	3	J	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Cobalt		7	U	ug/l	50	7	U	ug/l	50	7	U	ug/l	50	1	U	ug/l	50
Copper		4	U	ug/l	25	4	U	ug/l	25	4	U	ug/l	25	2	U	ug/l	25
Iron		3670		ug/l	100	3650		ug/l	100	2140		ug/l	100	279		ug/l	100
Lead		2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3
Magnesium		3900	J	ug/l	5000	4020	J	ug/l	5000	1780	J	ug/l	5000	2220	J	ug/l	5000
Manganese		8.6	J	ug/l	15	13.8	J	ug/l	15	15.6		ug/l	15	7.2	J	ug/l	15
Mercury		.1	U	ug/l	.2	.1	U	ug/l	.2	.1	U	ug/l	.2	.1	U	ug/l	.2
Nickel		13	U	ug/l	40	13	U	ug/l	40	13	U	ug/l	40	2	U	ug/l	40
Potassium		1390	J	ug/l	5000	1360	J	ug/l	5000	1170	J	ug/l	5000	1290	J	ug/l	5000
Selenium		4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4.5	J	ug/l	5
Silver		3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	1	U	ug/l	10
Sodium		12600		ug/l	5000	14700		ug/l	5000	12000		ug/l	5000	3810	J	ug/l	5000
Thallium		5.8	J	ug/l	10	3.2	J	ug/l	10	4.4	J	ug/l	10	3.9	J	ug/l	10
Vanadium		19.8	J	ug/l	50	16	J	ug/l	50	4	J	ug/l	50	1	U	ug/l	50
Zinc		15.2	J	ug/l	20	47.9		ug/l	20	7	J	ug/l	20	35.7	J	ug/l	20
Cyanide		3.1	J	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
METALS AND CYANIDE -- GROUNDWATER -- REPORT NO. 8164

Lab Sample Number:		C48GE				C48GF				C48GG			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11MW4S				CF11MW5S				CF11MW6S			
Collect Date:		31-MAY-96				31-MAY-96				31-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE	ug/l												
Aluminum		292		ug/l	200	266		ug/l	200	3610		ug/l	200
Antimony		2	U	ug/l	60	2	U	ug/l	60	2.1	J	ug/l	60
Arsenic		3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium		22	J	ug/l	200	18.3	J	ug/l	200	50.7	J	ug/l	200
Beryllium		1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium		1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium		654	J	ug/l	5000	564	J	ug/l	5000	1370	J	ug/l	5000
Chromium		2	U	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Cobalt		1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Copper		2	U	ug/l	25	2	U	ug/l	25	4.9	J	ug/l	25
Iron		64	J	ug/l	100	86.3	J	ug/l	100	3830		ug/l	100
Lead		2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3
Magnesium		959	J	ug/l	5000	842	J	ug/l	5000	3230	J	ug/l	5000
Manganese		4.8	J	ug/l	15	3.1	J	ug/l	15	6.2	J	ug/l	15
Mercury		.1	U	ug/l	.2	.1	U	ug/l	.2	.1	U	ug/l	.2
Nickel		2	U	ug/l	40	2	U	ug/l	40	2.2	J	ug/l	40
Potassium		320	J	ug/l	5000	291	J	ug/l	5000	347	J	ug/l	5000
Selenium		4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Silver		1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium		6180	J	ug/l	5000	6440	J	ug/l	5000	19700	J	ug/l	5000
Thallium		5.5	J	ug/l	10	3.9	J	ug/l	10	3.6	J	ug/l	10
Vanadium		1	U	ug/l	50	1	U	ug/l	50	2.3	J	ug/l	50
Zinc		6.5	J	ug/l	20	36.1	J	ug/l	20	21.7	J	ug/l	20
Cyanide		3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
TOC -- GROUNDWATER -- REPORT NO. 8165

Lab Sample Number:	A6E3101480
Site	CECIL6
Locator	CF11MW3SFS1
Collect Date:	30-MAY-96

	VALUE	QUAL	UNITS	DL
TOC				
Total organic carbon	3		mg/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8166
GROUNDWATER -- HERBICIDES AND ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6E1801080				A6E1801080				A6E1801080				A6E3101480			
Site		CECIL6				CECIL6				CECIL6				CECIL6			
Locator		CF11MW1S				CF11MW1SD				CF11MW2I				CF11MW3S			
Collect Date:		17-MAY-96				17-MAY-96				17-MAY-96				30-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/l																
2,4-D		4	U	ug/l	4	4	U	ug/l	4	4	U	ug/l	4	4	U	ug/l	4
2,4,5-T		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2,4,5-TP (Silvex)		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
ORGANOPHOSPHORUS PESTICIDES	ug/l																
Dimethoate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Disulfoton		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Famphur		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Methyl parathion		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Parathion		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Phorate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Tetraethyldithiopyrophosphate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Thionazin		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
O,O,O-Triethylphosphorothioate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT NO. 8166
GROUNDWATER -- HERBICIDES AND ORGANOPHOSPHOROUS PESTICIDES

Lab Sample Number:		A6F0101070				A6F0101070				A6F0101070			
Site		CECIL6				CECIL6				CECIL6			
Locator		CF11MW4S				CF11MW5S				CF11MW6S			
Collect Date:		31-MAY-96				31-MAY-96				31-MAY-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
HERBICIDES	ug/l												
2,4-D		4	U	ug/l	4	4	U	ug/l	4	4	U	ug/l	4
2,4,5-T		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2,4,5-TP (Silvex)		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
ORGANOPHOSPHORUS PESTICIDES	ug/l												
Dimethoate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Disulfoton		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Famphur		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Methyl parathion		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Parathion		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Phorate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Tetraethyldithiopyrophosphate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Thionazin		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
O,O,O-Triethylphosphorothioate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7923
NEMAGON -- GROUNDWATER

Lab Sample Number:		A6E1801080			A6E1801080			A6E1801080			A6E3101480		
Site		CECIL6			CECIL6			CECIL6			CECIL6		
Locator		CF11MW1S			CF11MW1SD			CF11MW2I			CF11MW3S		
Collect Date:		17-MAY-96			17-MAY-96			17-MAY-96			30-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/l												
1,2-Dibromo-3-chloropropane		9.7	ug/l	1	8.1	ug/l	1	1 U	ug/l	1	1 U	ug/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11 -- REPORT REQ. NO. 7923
NEMAGON -- GROUNDWATER

Lab Sample Number:		A6F0101070			A6F0101070			A6F0101070		
Site		CECIL6			CECIL6			CECIL6		
Locator		CF11MW4S			CF11MW5S			CF11MW6S		
Collect Date:		31-MAY-96			31-MAY-96			31-MAY-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
NEMAGON	ug/l									
1,2-Dibromo-3-chloropropane		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

NAS CECIL FIELD -- OU 6 / SITE 11
GENERAL CHEMISTRY -- GROUNDWATER -- REPORT NO. 8167

Lab Sample Number:	A6E3101480
Site	CECIL6
Locator	CF11MW3SFS1
Collect Date:	30-MAY-96

	VALUE	QUAL	UNITS	DL
Hardness	11		mg/l	2
Color	5	U	C.U.	5
Sulfate	10		mg/l	5
Oil and Grease	1	U	mg/l	1
Total organic carbon	3		mg/l	1

U = NOT DETECTED R = RESULT IS REJECTED AND UNUSABLE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
J = ESTIMATED VALUE

CHAPTER 2.0

REVISIONS TO SAMPLING AND ANALYSIS PLAN

ABB

April 25, 1996

Ms. Debbie Vaughn-Wright
Remedial Project Manager
Federal Facilities Section
Waste Management Division
USEPA Region IV
245 Courtland Street. N.E.
Atlanta, Georgia 30365

Subject: Revisions to the RI/FS Sampling and Analysis Plan, OU 6, Site 11, Naval Air Station Cecil Field, Jacksonville, Florida

Dear Ms. Vaughn-Wright,

Enclosed is a technical memorandum detailing the proposed BRAC Partnering Team revisions to the RI/FS Sampling and Analysis Plan for OU 6, Site 11, NAS Cecil Field, Jacksonville, Florida. Please insert this memorandum into the OU 3, 4, 5, and 6 RI/FS Workplan which is dated November 1994.

If you have any questions, please give me a call.

Sincerely,

ABB ENVIRONMENTAL SERVICES, INC.

FOR

Rao Angara
NAS Cecil Field
Installation Manager

cf: Mr. Eric Nuzie, Florida Department of Environmental Protection (2 copies)
Mr. John Dingwall, NAS Cecil Field (2 copies)
Mr. Alan Shoultz, SOUTHNAVFACENGCOM (2 copies)
File

TECHNICAL MEMORANDUM
April 5, 1996

Revisions to the Sampling and Analysis Plan
Operable Unit 6 (Site 11) Remedial Investigation
NAS Cecil Field

After review of the Interim Remedial Action (IRA) data collected at Operable Unit 6 (Site 11) the BRAC Partnering Team proposed to reduce the original sampling and analysis plan as presented in the OUs 3, 4, 5, and 6 RI/FS workplan. This reduction in the field scope will result in a cost savings while still meeting the objectives of the RI. The proposed modified field program for each media is presented in the following paragraphs and summarized in Table 1. The proposed monitoring well and sampling locations are presented in the attached figures.

The revised sampling program was developed to primarily focus on the areas (geophysical anomalies 4, 5, 7, 8, and 16) where pesticide containers were found during the IRA. Of these five areas, pesticide contaminated soil was detected in and removed from anomalies 4 and 8. After anomalies 4 and 8 were excavated during the IRA, confirmatory soil samples were collected from the perimeter of the excavated pit. There were no detections of 1,2-dibromo-3-chloropropane in soil samples from anomaly 8 but there were detections on the edges of anomaly 4. Two additional feet of soil were excavated around the perimeter of anomaly 4 in an effort to remove all contaminated soil. After the additional excavation only the north and east sides of anomaly 4 contained 1,2-dibromo-3-chloropropane. The IRA was terminated at this point. The anomaly 4 excavation was left open, lined with a HDPE liner, and enclosed with a 6 foot chain link fence.

Soil Sampling Program - Ten surface soil and 10 subsurface soil samples, one at each of the anomalies 5, 7, 8, and 16, two at anomaly 4, and four from the area of investigation will be collected and analyzed for TCL organics, TAL inorganics, 1,2-dibromo-3-chloropropane, organophosphorus pesticides, and chlorinated herbicides. Surface soil samples will be collected from 0 to 1 foot below land surface (bls) and subsurface soil samples will be collected from approximately 1 foot above the water table. Fourteen surface soil samples, one from each of the remaining anomalies, will be collected and analyzed for 1,2-dibromo-3-chloropropane only. Sample locations are presented in Figure 1.

To delineate the extent of the remaining 1,2-dibromo-3-chloropropane contamination at anomaly 4, surface and subsurface soil samples from the northern and eastern sides of anomaly 4 will be collected and analyzed for 1,2-dibromo-3-chloropropane. Two samples will be collected from the north and east sides of the anomaly, approximately 4 feet from the edge of the excavated pit. Two samples will be collected on the north side of anomaly 4, 8 feet from the excavated pit. One sample will be collected from the northeast corner of anomaly 4, 4 feet from the pit edge. Figure 2 shows the approximate sampling locations. If necessary, sampling will continue outward until 1,2-dibromo-3-chloropropane is not detected.

Groundwater - Five shallow water table monitoring wells: one upgradient, one directly downgradient of anomaly 4, and three downgradient, will be installed to assess the groundwater quality at OU 6. One intermediate (screened from 25-30 feet bls) monitoring well will also be installed directly downgradient of anomaly 4 to assess the vertical extent of groundwater contamination at OU 6. The location of the monitoring wells will be based on groundwater flow direction obtained from water level elevations in piezometers that were previously installed at OU 6. Groundwater samples will be collected from these wells and analyzed for TCL organics, TAL inorganics, 1,2-dibromo-3-chloropropane, organophosphorus pesticides, and chlorinated herbicides. Approximate monitoring well locations are shown in Figure 1.

Well Abandonment - Existing monitoring wells, CEF-11-1 and CEF-11-2 have 30 foot screens and will be abandoned.

Table 1
Sampling and Analysis Program Summary
Operable Unit 6, Site 11

NAS Cecil Field
Jacksonville, Florida

Soil Sampling Program

Sample Descriptor	Number of Samples	DQO Level	Chemical Analysis					
			TCL VOL	TCL SVOC	Pest/PCB	TAL	Pest (8140/ 8150)	DCBP
Surface Soil Samples	10	IV	X	X	X	X	X	X
Subsurface Soil Samples	10	IV	X	X	X	X	X	X
Surface Soil Samples (14 anomalies)	14	IV						X
Surface Soil Samples (Anomaly 4)	7	IV						X
Subsurface Soil Samples (Anomaly 4)	7	IV						X

Groundwater Monitoring Program

Sample Descriptor	Number of Samples	DQO Level	Chemical Analysis					
			TCL VOL	TCL SVOC	Pest/PCB	TAL	Pest (8140/ 8150)	DCBP
Monitoring Wells	6	IV	X	X	X	X	X	X

Notes: TCL = Contract Laboratory Program Target Compound List.
TAL = Contract Laboratory Program Target Analyte List.
Pest (8140/8150) = Chlorinated Herbicides (USEPA Method 8150) and Organophosphate Pesticides (USEPA Method 8140).
DCBP = 1,2-dibromo-3-chloropropane.

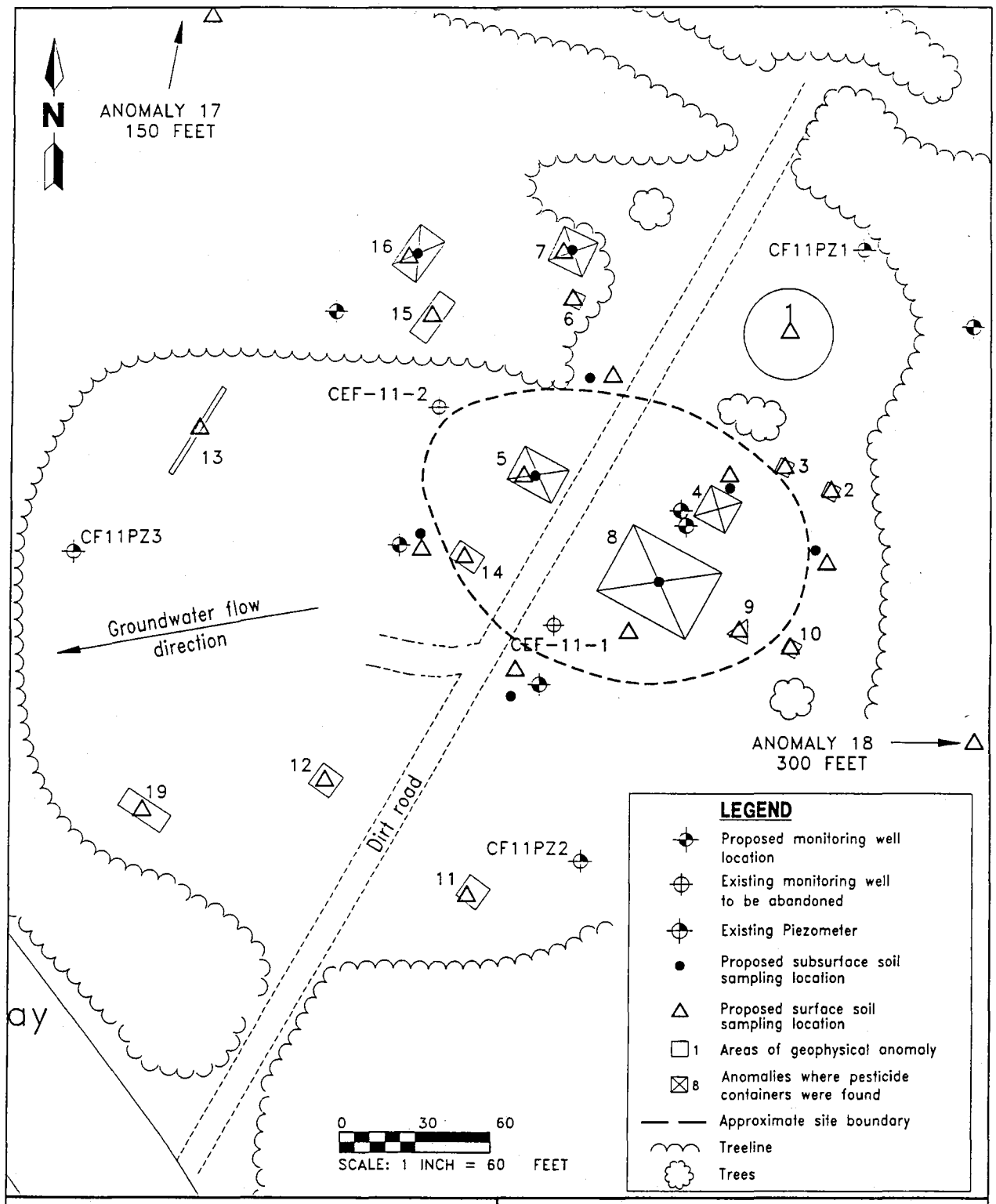


FIGURE 1
PROPOSED SITE 11
SURFACE SOIL, SUBSURFACE SOIL, AND GROUNDWATER SAMPLING LOCATIONS

H:\CEF\RISTE11\NP-NAB-CCK\04-15-96

REMEDIAL INVESTIGATION/ FEASIBILITY STUDY WORKPLAN OPERABLE UNITS 3, 4, 5, AND 6

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

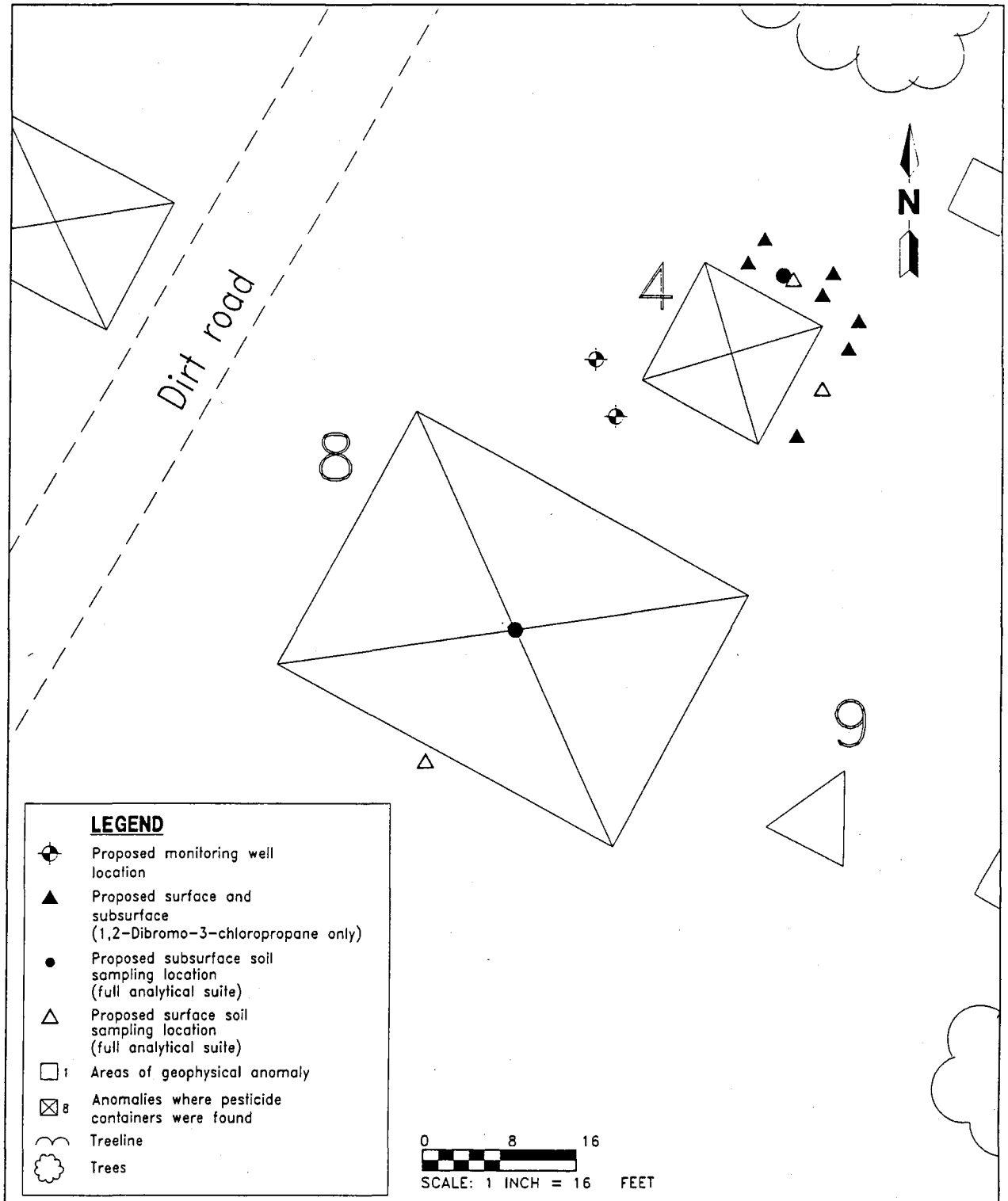


FIGURE 2
SURFACE AND SUBSURFACE SOIL SAMPLING LOCATIONS AT ANOMALY 4

REMEDIAL INVESTIGATION/ FEASIBILITY STUDY WORKPLAN OPERABLE UNITS 3, 4, 5, AND 6

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

H:\CEF\RISTE11\NP-NAB-CCK-PS\04-23-96

CHAPTER 3.0

BACKGROUND SAMPLE DATA

BACKGROUND DATA SUMMARY

Included in the background data summary is a list of all background samples, a background sample location map, and analytical data pertinent to Operable Unit (OU) 6. Figure 3-1 indicates the locations from where background surface soil, subsurface soil, and groundwater samples were collected.

Surface soil at OU 6 was identified as the Sapelo Fine Sand soil type. Sapelo Fine Sand is soil that is poorly drained in nearly level flatwood areas. Typically, the soil is weakly cemented and consists of sandy clay to fine sandy loam with organic material.

The Sapelo Fine Sand background soil location is W4 (Figure 3-1), located in the western part of the Main Base and west of OU 6. Six surface soil samples, CFBSS28 through CFBSS33, were collected from the W4 location. Analytical results for these samples are included in the background data summary.

The subsurface soil type at OU 6 is also Sapelo Fine Sand. By definition, Sapelo Fine Sand is a member of the sandy, siliceous, thermic family of Ultic Haplaquods. It consists of nearly level, poorly drained, acid soils that formed in thick deposits of loamy marine sediments. Most, if not all, of OU 6 soil is native soil. Aerial photographs were reviewed to locate an area with the same soil type. Such an area was located on the western boundary of the Main Base, approximately 3/4 mile north of Gate 16, west of Perimeter Road, near Site 5. This location has been designated W4 on Figure 3-1 and consists of samples CFBSB7 CFBSB8, and CFBSB9. Analytical data for these samples are included in the background data summary.

Groundwater contamination at OU 6 was assessed to exist in the upper 20 feet of the surficial aquifer. For this reason, groundwater results from Site 16 were compared to the analytical data from the shallow background wells. Locations of these wells, which are designated by an "S" at the end of the sample identifier, are shown on Figure 3-1. Analytical data from all background wells are included in the background data summary.

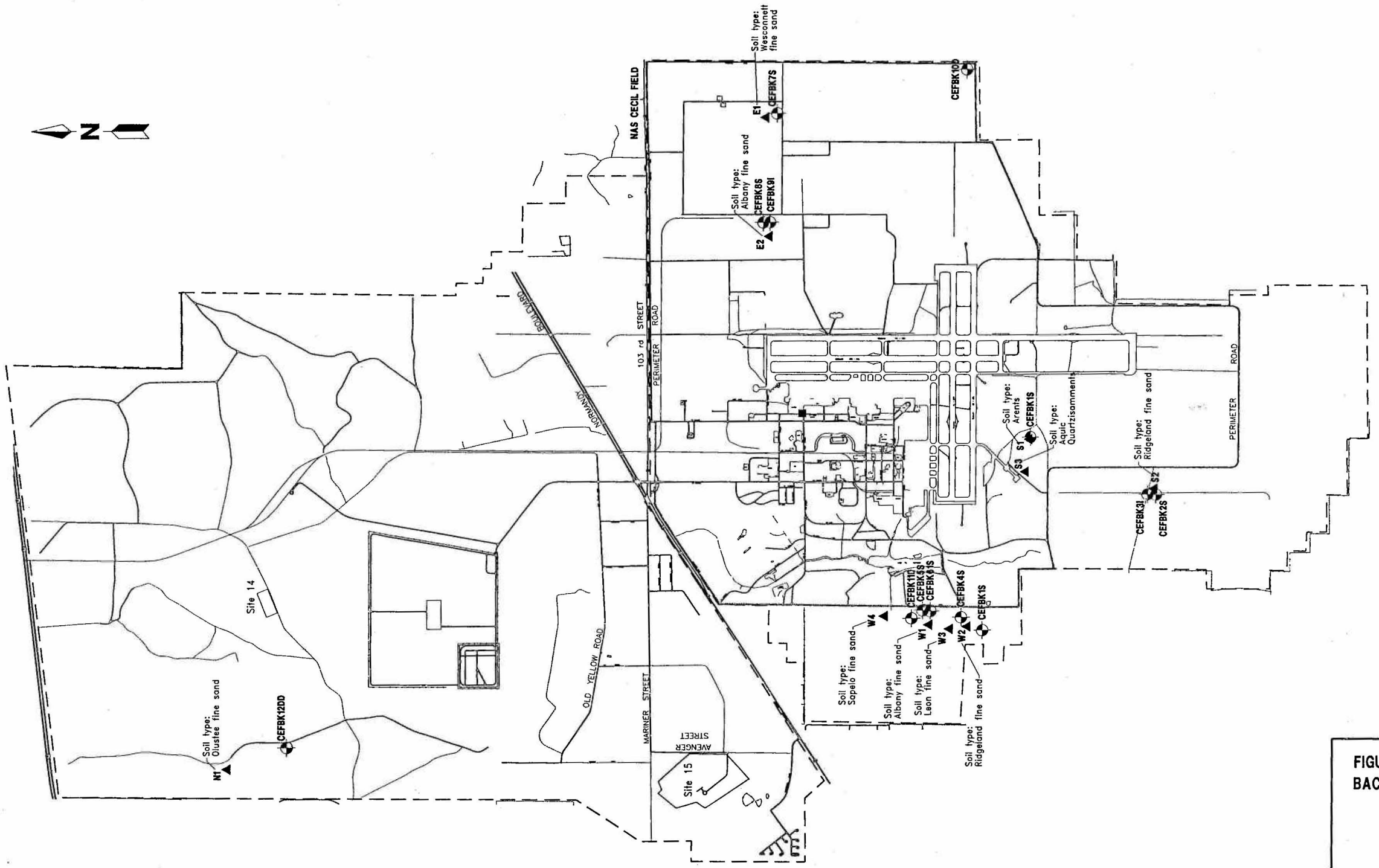


FIGURE 3-1
BACKGROUND SAMPLE LOCATIONS

DATA DOCUMENT
OPERABLE UNIT 6

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

H:\CEF\DD\CE-BASE\NP-NAB\11-27-96

NAS Cecil Field
Background Sample List

Surface Soil

Sample Identifier	Background Location	Soil Type
CEFBKSS1	S1	Arents
CEFBKSS2	S1	Arents
CEFBKSS3	S1	Arents
CEFBKSS4	S1	Arents
CEFBKSS5	S2	Ridgeland fine sand
CEFBKSS6	S2	Ridgeland fine sand
CEFBKSS7	S2	Ridgeland fine sand
CEFBKSS8	S2	Ridgeland fine sand
CEFBKSS9	E1	Wesconnett fine sand
CEFBKSS10	E2	Albany fine sand
CEFBKSS11	E2	Albany fine sand
CEFBKSS12	W1	Albany fine sand
CEFBKSS13	W1	Albany fine sand
CEFBKSS14	W1	Albany fine sand
CEFBKSS15	W2	Ridgeland fine sand
CFBSS16	N1	Olustee fine sand
CFBSS17	N1	Olustee fine sand
CFBSS18	N1	Olustee fine sand
CFBSS19	N1	Olustee fine sand
CFBSS20	N1	Olustee fine sand
CFBSS21	N1	Olustee fine sand
CFBSS22	W3	Leon fine sand
CFBSS23	W3	Leon fine sand
CFBSS24	W3	Leon fine sand
CFBSS25	W3	Leon fine sand
CFBSS26	W3	Leon fine sand
CFBSS27	W3	Leon fine sand
CFBSS28	W4	Sapelo fine sand
CFBSS29	W4	Sapelo fine sand
CFBSS30	W4	Sapelo fine sand
CFBSS31	W4	Sapelo fine sand
CFBSS32	W4	Sapelo fine sand
CFBSS33	W4	Sapelo fine sand

NAS Cecil Field
Background Sample List (Continued)

Subsurface Soil

Sample Identifier	Background Location	Soil Type
CEFBBMS1S0	S1	Arents
CEFBBMS1S6	S1	Arents
CEFBBMS2S2	S2	Ridgeland fine sand
CEFBBMS2S6	S2	Ridgeland fine sand
CEFBBMS2S8	S2	Ridgeland fine sand
CEFBBMS3I2	S2	Ridgeland fine sand
CEFBBMS3I6	S2	Ridgeland fine sand
CEFBBMS4S2	W2	Ridgeland fine sand
CEFBBMS4S4	W2	Ridgeland fine sand
CEFBBMS4S6	W2	Ridgeland fine sand
CEFBBMS5S2	W1	Albany fine sand
CEFBBMS5S6	W1	Albany fine sand
CEFBBMS5S8	W1	Albany fine sand
CEFBBMS6I0	W1	Albany fine sand
CEFBBMS6I6	W1	Albany fine sand
CEFBBMS6I43	W1	Albany fine sand
CEFBBMS7S0	E1	Wesconnett fine sand
CEFBBMS7S4	E1	Wesconnett fine sand
CEFBBMS7S6	E1	Wesconnett fine sand
CEFBBMS8S2	E2	Albany fine sand
CEFBBMS8S6	E2	Albany fine sand
CEFBBMS8S8	E2	Albany fine sand
CEFBBMS9I0	E2	Albany fine sand
CEFBBMS9S6	E2	Albany fine sand
CEFBBMS9S46	E2	Albany fine sand
CEFBBMS9S56	E2	Albany fine sand
CFBSB1	N1	Olustee fine sand
CFBSS2	N1	Olustee fine sand
CFBSB3	N1	Olustee fine sand
CFBSB4	W3	Leon fine sand
CFBSB5	W3	Leon fine sand
CFBSB6	W3	Leon fine sand
CFBSB7	W4	Sapelo fine sand
CFBSB8	W4	Sapelo fine sand
CFBSB9	W4	Sapelo fine sand
CEF8SB17	(S3) Site 8	Aquic quartzisamments

NAS Cecil Field
Background Sample List (Continued)

Monitoring Wells	Screen interval (in feet below land surface)
CEFBK1S	5 to 15
CEFBK2S	6 to 15
CEFBK3I	37 to 47
CEFBK4S	5 to 15
CEFBK5S	5 to 15
CEFBK6I	37 to 47
CEFBK7S	5 to 15
CEFBK8S	5 to 15
CEFBK9I	50 to 60
CEFBK10D	87 to 97
CEFBK11D	84 to 94
CEFBK12DD	118 to 128

Section 3.1

Background Surface Soil Analytical Results, Sapelo Fine Sand

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8288
SURFACE SOIL - VOLATILES

Lab Sample Number:	A3QM1				A3QM2				A3QM3				A3QM4			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS28				CFBSS29				CFBSS30				CFBSS31			
Collect Date:	03-APR-95				03-APR-95				03-APR-95				03-APR-95			
	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	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
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	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
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	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
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	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
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 -- BACKGROUND REPORT NO. 8288
SURFACE SOIL - VOLATILES

Lab Sample Number:	A3QM5				A3QM6				A3QM7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS31D				CFBSS32				CFBSS33			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Carbon disulfide	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
1,1-Dichloroethane	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
Chloroform	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
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,1,1-Trichloroethane	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
Bromodichloromethane	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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
Benzene	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
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene	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
1,1,2,2-Tetrachloroethane	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
Ethylbenzene	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
Xylenes (total)	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 -- BACKGROUND REPORT NO. 8289
SURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QM1				A3QM2				A3QM3				A3QM4			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS28				CFBSS29				CFBSS30				CFBSS31			
Collect Date:	03-APR-95				03-APR-95				03-APR-95				03-APR-95			
	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	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
bis(2-Chloroethyl) ether	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Chlorophenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,3-Dichlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,4-Dichlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,2-Dichlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Methylphenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Methylphenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachloroethane	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Nitrobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Isophorone	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitrophenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dimethylphenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dichlorophenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,2,4-Trichlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Naphthalene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloroaniline	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobutadiene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloro-3-methylphenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Methylnaphthalene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorocyclopentadiene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4,6-Trichlorophenol	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4,5-Trichlorophenol	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
2-Chloronaphthalene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitroaniline	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
Dimethylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Acenaphthylene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,6-Dinitrotoluene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
3-Nitroaniline	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
Acenaphthene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dinitrophenol	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
4-Nitrophenol	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
Dibenzofuran	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dinitrotoluene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Diethylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chlorophenyl-phenylether	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Fluorene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Nitroaniline	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
4,6-Dinitro-2-methylphenol	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Bromophenyl-phenylether	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Pentachlorophenol	910	U	ug/kg	910	880	U	ug/kg	880	900	U	ug/kg	900	890	U	ug/kg	890
Phenanthrene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Anthracene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Carbazole	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Di-n-butylphthalate	2600		ug/kg	380	2400		ug/kg	360	1100		ug/kg	370	1400		ug/kg	370

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8289
SURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QM1				A3QM2				A3QM3				A3QM4			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS28				CFBSS29				CFBSS30				CFBSS31			
Collect Date:	03-APR-95				03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Pyrene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Butylbenzylphthalate	180	J	ug/kg	380	280	J	ug/kg	360	630		ug/kg	370	880		ug/kg	370
3,3-Dichlorobenzidine	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) anthracene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Chrysene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
bis(2-Ethythexyl) phthalate	380	U	ug/kg	380	190	J	ug/kg	360	1200		ug/kg	370	1400		ug/kg	370
Di-n-octylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (b) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (k) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) pyrene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Dibenzo (a,h) anthracene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (g,h,i) perylene	380	U	ug/kg	380	360	U	ug/kg	360	370	U	ug/kg	370	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 -- BACKGROUND REPORT NO. 8289
SURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QM5				A3QM6				A3QM7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS31D				CFBSS32				CFBSS33			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
bis(2-Chloroethyl) ether	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2-Chlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
1,3-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
1,4-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
1,2-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2-Methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
4-Methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Hexachloroethane	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Nitrobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Isophorone	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2-Nitrophenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dimethylphenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
bis(2-Chloroethoxy) methane	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
1,2,4-Trichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Naphthalene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
4-Chloroaniline	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorobutadiene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
4-Chloro-3-methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2-Methylnaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorocyclopentadiene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4,6-Trichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4,5-Trichlorophenol	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
2-Chloronaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2-Nitroaniline	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
Dimethylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Acenaphthylene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,6-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
3-Nitroaniline	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
Acenaphthene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dinitrophenol	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
4-Nitrophenol	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
Dibenzofuran	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Diethylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
4-Chlorophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Fluorene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8289
SURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QM5				A3QM6				A3QM7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS31D				CFBSS32				CFBSS33			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
4,6-Dinitro-2-methylphenol	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
4-Bromophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Pentachlorophenol	890	U	ug/kg	890	880	U	ug/kg	880	890	U	ug/kg	890
Phenanthrene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Anthracene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Carbazole	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Di-n-butylphthalate	1900		ug/kg	370	1900		ug/kg	360	2000		ug/kg	370
Fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Pyrene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Butylbenzylphthalate	700		ug/kg	370	370		ug/kg	360	440		ug/kg	370
3,3-Dichlorobenzidine	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Benzo (a) anthracene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Chrysene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
bis(2-Ethylhexyl) phthalate	890		ug/kg	370	290	J	ug/kg	360	430		ug/kg	370
Di-n-octylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Benzo (b) fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Benzo (k) fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Benzo (a) pyrene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Indeno (1,2,3-cd) pyrene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Dibenzo (a,h) anthracene	370	U	ug/kg	370	360	U	ug/kg	360	370	U	ug/kg	370
Benzo (g,h,i) perylene	370	U	ug/kg	370	360	U	ug/kg	360	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 -- BACKGROUND REPORT NO. 8290
SURFACE SOIL - PESTICIDES AND PCBs

Lab Sample Number:	A3QM1				A3QM2				A3QM3				A3QM4			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS28				CFBSS29				CFBSS30				CFBSS31			
Collect Date:	03-APR-95				03-APR-95				03-APR-95				03-APR-95			
	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	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
beta-BHC	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
delta-BHC	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
gamma-BHC (Lindane)	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Heptachlor	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Aldrin	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Heptachlor epoxide	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Endosulfan I	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Dieldrin	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
4,4-DDE	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
Endrin	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
Endosulfan II	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
4,4-DDD	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
Endosulfan sulfate	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
4,4-DDT	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
Methoxychlor	19	UJ	ug/kg	19	19	UJ	ug/kg	19	19	U	ug/kg	19	18	UJ	ug/kg	18
Endrin ketone	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
Endrin aldehyde	3.8	UJ	ug/kg	3.8	3.7	UJ	ug/kg	3.7	3.7	U	ug/kg	3.7	3.7	UJ	ug/kg	3.7
alpha-Chlordane	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
gamma-Chlordane	1.9	UJ	ug/kg	1.9	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Toxaphene	190	UJ	ug/kg	190	190	UJ	ug/kg	190	190	U	ug/kg	190	180	UJ	ug/kg	180
Aroclor-1016	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37
Aroclor-1221	76	UJ	ug/kg	76	74	UJ	ug/kg	74	75	U	ug/kg	75	74	UJ	ug/kg	74
Aroclor-1232	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37
Aroclor-1242	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37
Aroclor-1248	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37
Aroclor-1254	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37
Aroclor-1260	38	UJ	ug/kg	38	37	UJ	ug/kg	37	37	U	ug/kg	37	37	UJ	ug/kg	37

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8290
SURFACE SOIL - PESTICIDES AND PCBs

Lab Sample Number:	A3QM5				A3QM6				A3QM7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS31D				CFBSS32				CFBSS33			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	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	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
beta-BHC	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
delta-BHC	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Heptachlor	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Aldrin	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Endosulfan I	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Dieldrin	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDE	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endrin	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endosulfan II	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDD	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endosulfan sulfate	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDT	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Methoxychlor	19	U	ug/kg	19	18	U	ug/kg	18	19	U	ug/kg	19
Endrin ketone	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endrin aldehyde	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
alpha-Chlordane	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
gamma-Chlordane	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9
Toxaphene	190	U	ug/kg	190	180	U	ug/kg	180	190	U	ug/kg	190
Aroclor-1016	37	U	ug/kg	37	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1221	74	U	ug/kg	74	73	U	ug/kg	73	75	U	ug/kg	75
Aroclor-1232	37	U	ug/kg	37	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1242	37	U	ug/kg	37	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1248	37	U	ug/kg	37	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1254	37	U	ug/kg	37	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1260	37	U	ug/kg	37	37	U	ug/kg	37	38	U	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 -- BACKGROUND REPORT NO. 8291
SURFACE SOIL - METALS AND CYANIDE

Lab Sample Number:	A3QM1				A3QM2				A3QM3				A3QM4			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS28				CFBSS29				CFBSS30				CFBSS31			
Collect Date:	03-APR-95				03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	618		mg/kg	40	471		mg/kg	40	104		mg/kg	40	93.8	U	mg/kg	40
Antimony	.46	UJ	mg/kg	12	.44	UJ	mg/kg	12	.45	UJ	mg/kg	12	.44	UJ	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	4.5		mg/kg	40	1.5	U	mg/kg	40	1.6	U	mg/kg	40	2.1	U	mg/kg	40
Beryllium	.23	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	.23	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Calcium	786		mg/kg	1000	145	U	mg/kg	1000	166	U	mg/kg	1000	253		mg/kg	1000
Chromium	.69	U	mg/kg	2	.57	U	mg/kg	2	.36	U	mg/kg	2	.22	U	mg/kg	2
Cobalt	.23	UJ	mg/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10
Copper	.46	U	mg/kg	5	.44	U	mg/kg	5	.45	U	mg/kg	5	.44	U	mg/kg	5
Iron	173		mg/kg	20	128		mg/kg	20	82.9		mg/kg	20	65.5	UJ	mg/kg	20
Lead	2.6		mg/kg	.6	1.5		mg/kg	.6	1.4		mg/kg	.6	1.7		mg/kg	.6
Magnesium	32.4	U	mg/kg	1000	27.4	U	mg/kg	1000	14.8	U	mg/kg	1000	20.9	U	mg/kg	1000
Manganese	2.2	U	mg/kg	3	2.2	U	mg/kg	3	1.8	U	mg/kg	3	1.7	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.96	U	mg/kg	8	.44	U	mg/kg	8	.46	U	mg/kg	8	.46	U	mg/kg	8
Potassium	22.4	U	mg/kg	1000	18	U	mg/kg	1000	17.8	U	mg/kg	1000	22	U	mg/kg	1000
Selenium	.92	U	mg/kg	1	.89	U	mg/kg	1	.89	U	mg/kg	1	.88	U	mg/kg	1
Silver	.23	U	mg/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2
Sodium	188	U	mg/kg	1000	153	U	mg/kg	1000	163	U	mg/kg	1000	161	U	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	1.5		mg/kg	10	1.5		mg/kg	10	.7	J	mg/kg	10	.83		mg/kg	10
Zinc	4.8	U	mg/kg	4	2.5	U	mg/kg	4	4	U	mg/kg	4	1.5	U	mg/kg	4
Cyanide	.11	UJ	mg/kg	.5	.11	UJ	mg/kg	.5	.11	UJ	mg/kg	.5	.11	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8291
SURFACE SOIL - METALS AND CYANIDE

Lab Sample Number:	A3QM5				A3QM6				A3QM7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSS31D				CFBSS32				CFBSS33			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	88.6	U	mg/kg	40	66.2	U	mg/kg	40	399		mg/kg	40
Antimony	.61	UJ	mg/kg	12	.44	UJ	mg/kg	12	.45	UJ	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	2.6	U	mg/kg	40	1.3	U	mg/kg	40	2.8	U	mg/kg	40
Beryllium	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Calcium	330		mg/kg	1000	165	U	mg/kg	1000	479		mg/kg	1000
Chromium	.25	U	mg/kg	2	.24	U	mg/kg	2	.48	U	mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10
Copper	.45	U	mg/kg	5	.44	U	mg/kg	5	.45	U	mg/kg	5
Iron	67.6		mg/kg	20	52.6	UJ	mg/kg	20	120		mg/kg	20
Lead	1.1		mg/kg	.6	1		mg/kg	.6	2.5		mg/kg	.6
Magnesium	24	U	mg/kg	1000	12.2	U	mg/kg	1000	18.6	U	mg/kg	1000
Manganese	2.3	U	mg/kg	3	1.5	U	mg/kg	3	2.1	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.47	U	mg/kg	8	.46	U	mg/kg	8	.45	U	mg/kg	8
Potassium	20.1	U	mg/kg	1000	12.8	U	mg/kg	1000	17.5	U	mg/kg	1000
Selenium	.89	U	mg/kg	1	.87	U	mg/kg	1	.89	U	mg/kg	1
Silver	.22	U	mg/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2
Sodium	170	U	mg/kg	1000	140	U	mg/kg	1000	163	U	mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	.69		mg/kg	10	.61		mg/kg	10	1		mg/kg	10
Zinc	2.1	U	mg/kg	4	1.3	U	mg/kg	4	3.1	U	mg/kg	4
Cyanide	.11	UJ	mg/kg	.5	.11	UJ	mg/kg	.5	.11	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8300
SURFACE SOIL - TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A5D0400180			A5D0400180			A5D0400180			A5D0400180		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBSS28			CFBSS29			CFBSS30			CFBSS31		
Collect Date:	03-APR-95			03-APR-95			03-APR-95			03-APR-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH												
Total petroleum hydrocarbons	19	mg/kg	11	16	mg/kg	11	14	mg/kg	11	26	mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8300
SURFACE SOIL - TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A5D0400180			A5D0400180			A5D0400180		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBSS31D			CFBSS32			CFBSS33		
Collect Date:	03-APR-95			03-APR-95			03-APR-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
TPH									
Total petroleum hydrocarbons	22	mg/kg	11	11 U	mg/kg	11	20	mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

Section 3.2

Background Subsurface Soil Analytical Results, Sapelo Fine Sand

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8292
SUBSURFACE SOIL - VOLATILES

Lab Sample Number:	A3QMA				A3QMC				A3QM8			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB8				CFBSB9				CFBSB7			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	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
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	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
Acetone	17	U	ug/kg	17	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
1,1-Dichloroethene	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
1,2-Dichloroethene (total)	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
1,2-Dichloroethane	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	12	U	ug/kg	12
1,1,1-Trichloroethane	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
Bromodichloromethane	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
cis-1,3-Dichloropropene	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
Dibromochloromethane	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
Benzene	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
Bromoform	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	12	U	ug/kg	12
2-Hexanone	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
Toluene	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
Chlorobenzene	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
Styrene	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

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8293
SUBSURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QMA				A3QMC				A3QM8			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB8				CFBSB9				CFBSB7			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
bis(2-Chloroethyl) ether	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2-Chlorophenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
1,3-Dichlorobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
1,4-Dichlorobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
1,2-Dichlorobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2-Methylphenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Methylphenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Hexachloroethane	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Nitrobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Isophorone	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2-Nitrophenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4-Dimethylphenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4-Dichlorophenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
1,2,4-Trichlorobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Naphthalene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Chloroaniline	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Hexachlorobutadiene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Chloro-3-methylphenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2-Methylnaphthalene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Hexachlorocyclopentadiene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4,6-Trichlorophenol	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4,5-Trichlorophenol	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
2-Chloronaphthalene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2-Nitroaniline	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
Dimethylphthalate	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Acenaphthylene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,6-Dinitrotoluene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
3-Nitroaniline	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
Acenaphthene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4-Dinitrophenol	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
4-Nitrophenol	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
Dibenzofuran	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
2,4-Dinitrotoluene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Diethylphthalate	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Chlorophenyl-phenylether	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Fluorene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Nitroaniline	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
4,6-Dinitro-2-methylphenol	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
4-Bromophenyl-phenylether	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Hexachlorobenzene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Pentachlorophenol	980	U	ug/kg	980	1000	U	ug/kg	1000	970	U	ug/kg	970
Phenanthrene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Anthracene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Carbazole	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Di-n-butylphthalate	500		ug/kg	400	550		ug/kg	410	2300		ug/kg	400

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8293
SUBSURFACE SOIL - SEMIVOLATILES

Lab Sample Number:	A3QMA				A3QMC				A3QM8			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB8				CFBSB9				CFBSB7			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Pyrene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Butylbenzylphthalate	350	J	ug/kg	400	430		ug/kg	410	900		ug/kg	400
3,3-Dichlorobenzidine	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Benzo (a) anthracene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Chrysene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	900		ug/kg	400	940		ug/kg	410	1300		ug/kg	400
Di-n-octylphthalate	400	U	ug/kg	400	410	U	ug/kg	410	27	J	ug/kg	400
Benzo (b) fluoranthene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Benzo (k) fluoranthene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Benzo (a) pyrene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Dibenzo (a,h) anthracene	400	U	ug/kg	400	410	U	ug/kg	410	400	U	ug/kg	400
Benzo (g,h,i) perylene	400	U	ug/kg	400	410	U	ug/kg	410	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 -- BACKGROUND REPORT NO. 8294
SUBSURFACE SOIL - PESTICIDES AND PCBs

Lab Sample Number:	A3QMA				A3QMC				A3QM8			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB8				CFBSB9				CFBSB7			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	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	U	ug/kg	2.1	2	U	ug/kg	2
beta-BHC	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
delta-BHC	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-BHC (Lindane)	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Aldrin	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Heptachlor epoxide	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Endosulfan I	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Dieldrin	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
4,4-DDE	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
Endrin	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
Endosulfan II	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
4,4-DDD	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
Endosulfan sulfate	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
4,4-DDT	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
Methoxychlor	20	U	ug/kg	20	21	U	ug/kg	21	20	U	ug/kg	20
Endrin ketone	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
Endrin aldehyde	4.1	U	ug/kg	4.1	4.2	U	ug/kg	4.2	4	U	ug/kg	4
alpha-Chlordane	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
gamma-Chlordane	2	U	ug/kg	2	2.1	U	ug/kg	2.1	2	U	ug/kg	2
Toxaphene	200	U	ug/kg	200	210	U	ug/kg	210	200	U	ug/kg	200
Aroclor-1016	41	U	ug/kg	41	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1221	82	U	ug/kg	82	84	U	ug/kg	84	80	U	ug/kg	80
Aroclor-1232	41	U	ug/kg	41	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1242	41	U	ug/kg	41	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1248	41	U	ug/kg	41	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1254	41	U	ug/kg	41	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1260	41	U	ug/kg	41	42	U	ug/kg	42	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 -- BACKGROUND REPORT NO. 8295
SUBSURFACE SOIL - METALS AND CYANIDE

Lab Sample Number:	A3QMA				A3QMC				A3QM8			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB8				CFBSB9				CFBSB7			
Collect Date:	03-APR-95				03-APR-95				03-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	1380		mg/kg	40	1080		mg/kg	40	2450		mg/kg	40
Antimony	.49	UJ	mg/kg	12	.49	UJ	mg/kg	12	.49	UJ	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.2	U	mg/kg	20
Barium	1.1	U	mg/kg	40	1.3	U	mg/kg	40	1.6	U	mg/kg	40
Beryllium	.25	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.25	U	mg/kg	1	.25	U	mg/kg	1	.24	U	mg/kg	1
Calcium	109	U	mg/kg	1000	107	U	mg/kg	1000	94	U	mg/kg	1000
Chromium	1.9	U	mg/kg	2	1.4	U	mg/kg	2	3.6	U	mg/kg	2
Cobalt	.25	UJ	mg/kg	10	.25	UJ	mg/kg	10	.24	UJ	mg/kg	10
Copper	.49	U	mg/kg	5	.49	U	mg/kg	5	.49	U	mg/kg	5
Iron	96		mg/kg	20	125		mg/kg	20	312		mg/kg	20
Lead	1.2		mg/kg	.6	1.4		mg/kg	.6	1.9		mg/kg	.6
Magnesium	21.4	U	mg/kg	1000	22.2	U	mg/kg	1000	43.9	U	mg/kg	1000
Manganese	1.5	U	mg/kg	3	1.4	U	mg/kg	3	2.4	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.49	U	mg/kg	8	.71	U	mg/kg	8	1.1	U	mg/kg	8
Potassium	21.4	U	mg/kg	1000	19.2	U	mg/kg	1000	22.5	U	mg/kg	1000
Selenium	.98	U	mg/kg	1	.99	U	mg/kg	1	.98	U	mg/kg	1
Silver	.26	U	mg/kg	2	.25	U	mg/kg	2	.24	U	mg/kg	2
Sodium	167	U	mg/kg	1000	173	U	mg/kg	1000	130	U	mg/kg	1000
Thallium	1.5	UJ	mg/kg	2	1.5	UJ	mg/kg	2	1.5	UJ	mg/kg	2
Vanadium	.99	J	mg/kg	10	.99		mg/kg	10	3		mg/kg	10
Zinc	2.1	U	mg/kg	4	2.9	U	mg/kg	4	2.3	U	mg/kg	4
Cyanide	.12	UJ	mg/kg	.5	.12	UJ	mg/kg	.5	.12	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8301
SUBSURFACE SOIL - TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A5D0400180			A5D0400180			A5D0400180		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBSB8			CFBSB9			CFBSB7		
Collect Date:	03-APR-95			03-APR-95			03-APR-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
TPH									
Total petroleum hydrocarbons	12 U	mg/kg	12	12 U	mg/kg	12	12 U	mg/kg	12

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

Section 3.3

Background Groundwater Analytical Results

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8296
GROUNDWATER - VOLATILES

Lab Sample Number:	A516F				A516D				A4XTR				A4XTT			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1S				CFBKMW2S				CFBKMW4S				CFBKMW4SD			
Collect Date:	12-JUN-95				12-JUN-95				07-JUN-95				07-JUN-95			
	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	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	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 -- BACKGROUND REPORT NO. 8296
GROUNDWATER - VOLATILES

Lab Sample Number:	A51KW				A50D6				A50D5			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW5S				CFBKMW7S				CFBKMW8S			
Collect Date:	13-JUN-95				09-JUN-95				09-JUN-95			
	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
Bromomethane	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
Chloroethane	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
Acetone	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
1,1-Dichloroethene	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
1,1-Dichloroethane	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
Chloroform	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
2-Butanone	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
Carbon tetrachloride	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
1,2-Dichloropropane	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
Trichloroethene	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
1,1,2-Trichloroethane	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
trans-1,3-Dichloropropene	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
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	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
Toluene	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
Chlorobenzene	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
Styrene	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

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8297
GROUNDWATER - SEMIVOLATILES

Lab Sample Number:	A516F				A516D				A4XTR				A4XTT			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1S				CFBKMW2S				CFBKMW4S				CFBKMW4SD			
Collect Date:	12-JUN-95				12-JUN-95				07-JUN-95				07-JUN-95			
	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

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8297
GROUNDWATER - SEMIVOLATILES

Lab Sample Number:	A516F				A516D				A4XTR				A4XTT			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1S				CFBKMW2S				CFBKMW4S				CFBKMW4SD			
Collect Date:	12-JUN-95				12-JUN-95				07-JUN-95				07-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	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	.8	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
Dibenzo (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 -- BACKGROUND REPORT NO. 8297
GROUNDWATER - SEMIVOLATILES

Lab Sample Number:	A51KW				A50D6				A50D5			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW5S				CFBKMW7S				CFBKMW8S			
Collect Date:	13-JUN-95				09-JUN-95				09-JUN-95			
	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
bis(2-Chloroethyl) ether	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
1,3-Dichlorobenzene	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
1,2-Dichlorobenzene	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
2,2-oxybis(1-Chloropropane)	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
N-Nitroso-di-n-propylamine	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
Nitrobenzene	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
2-Nitrophenol	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
bis(2-Chloroethoxy) methane	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
1,2,4-Trichlorobenzene	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
4-Chloroaniline	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
4-Chloro-3-methylphenol	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
Hexachlorocyclopentadiene	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
2,4,5-Trichlorophenol	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
2-Nitroaniline	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
Acenaphthylene	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
3-Nitroaniline	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
2,4-Dinitrophenol	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
Dibenzofuran	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
Diethylphthalate	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
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8297
GROUNDWATER - SEMIVOLATILES

Lab Sample Number:	A51KW				A50D6				A50D5			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW5S				CFBKMW7S				CFBKMW8S			
Collect Date:	13-JUN-95				09-JUN-95				09-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	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
N-Nitrosodiphenylamine (1)	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
Hexachlorobenzene	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
Phenanthrene	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
Carbazole	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
Fluoranthene	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
Butylbenzylphthalate	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
Benzo (a) anthracene	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
bis(2-Ethylhexyl) phthalate	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
Benzo (b) fluoranthene	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
Benzo (a) pyrene	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
Dibenzo (a,h) anthracene	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

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8298
GROUNDWATER - PESTICIDES AND PCBs

Lab Sample Number:	A516F				A516D				A4XTR				A4XTT			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1S				CFBKMW2S				CFBKMW4S				CFBKMW4SD			
Collect Date:	12-JUN-95				12-JUN-95				07-JUN-95				07-JUN-95			
	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	.048	R	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
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND REPORT NO. 8298
GROUNDWATER - PESTICIDES AND PCBs

Lab Sample Number:	A51KW				A50D6				A50D5			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW5S				CFBKMW7S				CFBKMW8S			
Collect Date:	13-JUN-95				09-JUN-95				09-JUN-95			
	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
beta-BHC	.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
gamma-BHC (Lindane)	.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
Aldrin	.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
Endosulfan I	.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
4,4-DDE	.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
Endosulfan II	.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
Endosulfan sulfate	.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
Methoxychlor	.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
Endrin aldehyde	.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
gamma-Chlordane	.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
Aroclor-1016	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
Aroclor-1232	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
Aroclor-1248	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
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	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 -- BACKGROUND REPORT NO. 8299
GROUNDWATER - METALS AND CYANIDE

Lab Sample Number:	A516F				A516D				A4XTR				A4XTT			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1S				CFBKMW2S				CFBKMW4S				CFBKMW4SD			
Collect Date:	12-JUN-95				12-JUN-95				07-JUN-95				07-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	366	U	ug/l	200	52000		ug/l	200	310	U	ug/l	200	277	U	ug/l	200
Antimony	3	U	ug/l	60	3	U	ug/l	60	3	U	ug/l	60	3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	5	J	ug/l	10	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	10.1		ug/l	200	47.6		ug/l	200	9.3		ug/l	200	8.2		ug/l	200
Beryllium	1		ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	1190		ug/l	5000	1520		ug/l	5000	1390		ug/l	5000	2160		ug/l	5000
Chromium	2	UJ	ug/l	10	35.3		ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10
Cobalt	2	U	ug/l	50	5.8		ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	7.5	U	ug/l	25	121		ug/l	25	3.1	U	ug/l	25
Iron	1280		ug/l	100	14400		ug/l	100	275		ug/l	100	289		ug/l	100
Lead	2	UJ	ug/l	3	17.7		ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	832		ug/l	5000	1990		ug/l	5000	839		ug/l	5000	825		ug/l	5000
Manganese	2		ug/l	15	10.4		ug/l	15	1	U	ug/l	15	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	3	U	ug/l	40	16.8		ug/l	40	3	U	ug/l	40	3	U	ug/l	40
Potassium	155	U	ug/l	5000	788		ug/l	5000	138	U	ug/l	5000	101	U	ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium	7040		ug/l	5000	6330		ug/l	5000	6420		ug/l	5000	6580		ug/l	5000
Thallium	4.7	U	ug/l	10	8.9	U	ug/l	10	8.2	U	ug/l	10	9.2	U	ug/l	10
Vanadium	2	U	ug/l	50	48.2		ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Zinc	12.1	U	ug/l	20	23.7		ug/l	20	6.5	U	ug/l	20	15.2	U	ug/l	20
Cyanide	2	U	ug/l	10	10	U	ug/l	10	3.5	U	ug/l	10	2	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 -- BACKGROUND REPORT NO. 8299
GROUNDWATER - METALS AND CYANIDE

Lab Sample Number:	A51KW				A50D6				A50D6F				A50D5			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW5S				CFBKMW7S				CFBKMW7SF				CFBKMW8S			
Collect Date:	13-JUN-95				09-JUN-95				09-JUN-95				09-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	193	U	ug/l	200	2530		ug/l	200	879		ug/l	200	3910		ug/l	200
Antimony	3	U	ug/l	60	3	U	ug/l	60	8.9		ug/l	60	3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	4.8	J	ug/l	10	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	6.8		ug/l	200	35.7		ug/l	200	22.6		ug/l	200	16.6		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	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	165	U	ug/l	5000	2910		ug/l	5000	2290		ug/l	5000	2090		ug/l	5000
Chromium	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10
Cobalt	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	2.3	U	ug/l	25	3.8		ug/l	25	5.7	U	ug/l	25
Iron	337		ug/l	100	3390		ug/l	100	1310		ug/l	100	1220		ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	716		ug/l	5000	508		ug/l	5000	593		ug/l	5000	779		ug/l	5000
Manganese	1	U	ug/l	15	6.5		ug/l	15	7		ug/l	15	1.1		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	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40
Potassium	80.1	U	ug/l	5000	302	U	ug/l	5000	201	U	ug/l	5000	157	U	ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium	4150		ug/l	5000	7320		ug/l	5000	8580		ug/l	5000	3150		ug/l	5000
Thallium	9.6	U	ug/l	10	6.9	U	ug/l	10	7.4	U	ug/l	10	6.6	U	ug/l	10
Vanadium	2	U	ug/l	50	10.7	U	ug/l	50	3.2	U	ug/l	50	3.2	U	ug/l	50
Zinc	25.6		ug/l	20	7.8	U	ug/l	20	26.6		ug/l	20	11.4	U	ug/l	20
Cyanide	2	U	ug/l	10	2	U	ug/l	10	-				2	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 -- BACKGROUND REPORT NO. 8302
GROUNDWATER - TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A5F0900680				A5F0900680			
Site	CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD			
Collect Date:	07-JUN-95				07-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH								
Total petroleum hydrocarbons	.5	U	mg/l	.5	.5	U	mg/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 -- BACKGROUND REPORT NO. 8303
SUBSURFACE SOIL AND GROUNDWATER - TOTAL ORGANIC CARBON

Lab Sample Number:	A5D0400180				A5F1400570				A5F1000290			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBSB7				CFBKMW5S				CFBKMW8S			
Collect Date:	03-APR-95				13-JUN-95				09-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	3200		mg/kg	120	1	U	mg/l	1	6		mg/l	1

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

CHAPTER 4.0

GEOTECHNICAL DATA

SUMMARY OF LABORATORY TEST RESULTS

PROJECT: NAS Cecil Field - Project No. 08520-22
CLIENT: ABB Environmental Services
PROJECT NO.: 93-1361

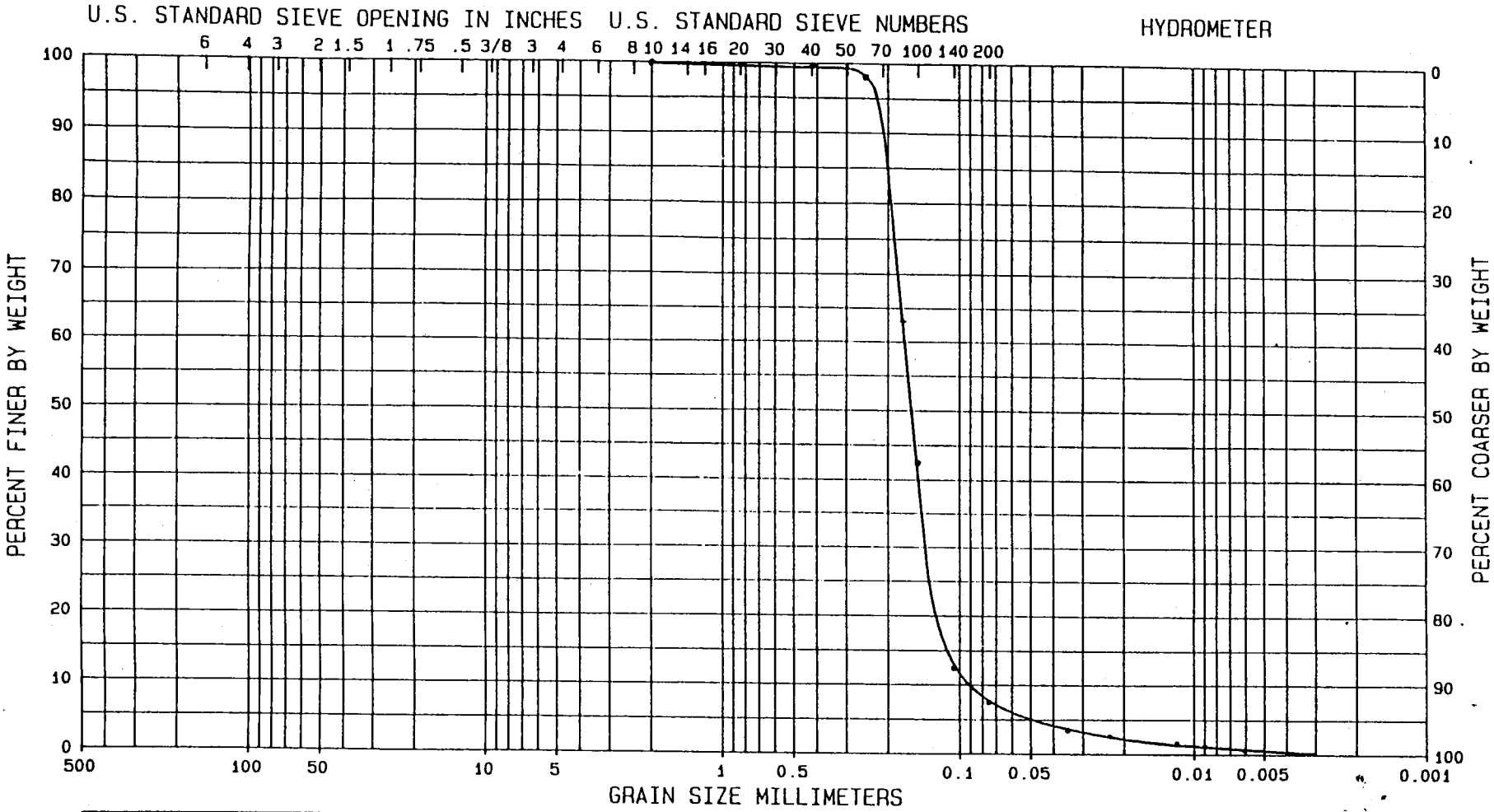
Boring/ Sample No.	Sample Depth (ft.)	Wet Unit Weight pcf	Dry Unit Weight pcf	Natural Moisture Content %	Atterberg Limits: Liquid Limit %	Atterberg Limits: Plastic Limit %	Atterberg Limits: Plasticity Index %	pH
CF11SS9		73.3	70.3	4.3				6.6

SUMMARY OF GRADATION TEST RESULTS

PROJECT: NAS Cecil Field - Project No. 08520-22
CLIENT: ABB Environmental Services
PROJECT NO.: 93-1361

Boring/ Sample No.	Sample Depth (ft.)	GRADATION TEST % Passing							
		No. 10	No. 20	No. 40	No. 60	No. 80	No.100	No.140	No.200
CF11SS9		100.0	99.9	99.7	98.4	63.0	42.4	12.5	7.3

ELLIS & ASSOCIATES, INC.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF11SS9						

GRADATION CURVES

NAS Cecil Field
Project No. 08520-22

A&L Southern Agricultural Laboratories

1301 West Copans Road • Building D, Suite 8 • Pompano Beach, FL 33064
(954) 972-3255 • FAX (954) 972-7885

REPORT NUMBER

F199-20S

SEND TO:

ELLIS AND ASSOC., INC
5109 STEPP AVE
JACKSONVILLE, FL. 32216

GROWER:

P O #9761

SAMPLES SUBMITTED BY:

VAN WINN

7-17-96
DATE

PAGE 1

ELLIS & ASSOCIATES, INC.
RECEIVED
JUL 22 1996

LAB NUMBER: M0595
SAMPLE ID: CF11559 SOIL

ANALYSIS: CATION EXCHANGE CAPACITY (TOTAL) MEQ/100G

LEVEL FOUND: 0.8

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.

A & L SOUTHERN AGRICULTURAL LABORATORIES

By Lynn Griffith

Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or in part, nor may any reference be made to the work, the resu[illegible] the company in any advertising, news release, or other public announcements wi[illegible] obtaining our prior written authorization.
Copyright 1977

CHAPTER 5.0

WATER-LEVEL DATA AND MONITORING WELL LOGS

Section 5.1

Water-Level Data

Water Level Measurements
September, 1996
OU 6, Site 11
NAS Cecil Field

Well	TOC Elevation (ft NGVD)	Water Level (ft BTOC)	Water Elevation (ft NGVD)
CEF-11-1S	78.40	NM	NM
CEF-11-2I	78.24	7.73	70.51
CEF-11-3S	78.61	8.35	70.26
CEF-11-4S	78.16	7.65	70.51
CEF-11-5S	78.10	7.56	70.54
CEF-11-6S	78.70	7.59	71.11

Notes: NM = not measured because the presence of DBCP in the well

Section 5.2

Monitoring Well Logs

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-1S	**BORING NO.** CEF-11-1S
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-17-98	**COMPLETED:** 05-17-98
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 4'-14' FT.	**SCREEN SLOT SIZE:** 8
TOC ELEVATION: 78.40 FT. NGVD	**GROUND ELEV.:** 75.7 FT. NGVD	**NORTHING:** 2,148,998.57	**EASTING:** 372,513.94
WELL DEVELOP. DATE: 05-17-98	**TOTAL DEPTH:** 15.0' FT. BLS	**DEPTH TO ▽** 8.0' FT. BLS	**LOGGED BY:** R. Holloway

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
		70%	45	SILTY SAND: 100%, reddish brown to gray to dark gray, quartz, fine-to very fine-grained, subrounded to subangular, well sorted, dry.		SM	1,3,7,9	
		60%	221				2,4,6,10	
5		80%	32.9	CLAYEY SAND: 100%, pinkish white to pinkish gray, quartz, fine-to very fine-grained, rounded, moist to wet.		SC	4,6,9,13	
		50%	34.5				3,4,6,9	
10								
15								
20								
25								
30								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-2I	**BORING NO.** CEF-11-2I
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-15-98	**COMPLETED:** 05-16-98
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 25'-30' FT.	**SCREEN SLOT SIZE:** B
TOC ELEVATION: 78.24 FT. NGVD	**GROUND ELEV.:** 75.7 FT. NGVD	**NORTHING:** 2,148,998.74	**EASTING:** 372,513.89
WELL DEVELOP. DATE: 05-16-98	**TOTAL DEPTH:** 31.0' FT. BLS	**DEPTH TO ▽** 8.0' FT. BLS	**LOGGED BY:** P. Wagner

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
						SM		
				SILTY SAND: 100%, quartz, brown, very fine grained.				
5								
				NOTE: Monitoring Well installed in level B PPE. No split spoons collected. Lithology taken from auger cuttings.				
10								
15								
20								
25								
30								
35								

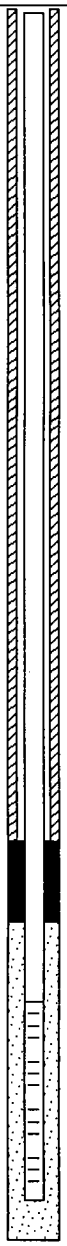


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-3S	**BORING NO.** CEF-11-3S
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-19-98	**COMPLETED:** 05-19-98
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 4'-14' FT.	**SCREEN SLOT SIZE:** 0
TOC ELEVATION: 78.61 FT. NGVD	**GROUND ELEV.:** 78.1 FT. NGVD	**NORTHING:** 2,146,934.97	**EASTING:** 372,470.11
WELL DEVELOP. DATE: 05-19-98	**TOTAL DEPTH:** 15.0' FT. BLS	**DEPTH TO ▽** 8.0' FT. BLS	**LOGGED BY:** P. Wagner

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
		90%	10	SILTY SAND: 100%, light brownish gray, quartz, fine-to very fine-grained, subrounded to subangular, well sorted, dry.		SM	4,6,7,7	
		100%	9.8				4,7,5,6	
5		75%	9.8	CLAYEY SAND: 100%, light gray to pale brown, quartz, fine-to very fine-grained, hard, nonplastic, damp to wet, 30% clay.		SC	3,3,7,6	
		100%	0			SP	6,12,10,7	
10				SAND: 100%, very pale brown, quartz, very fine grained, rounded, saturated.				
15								
20								
25								
30								

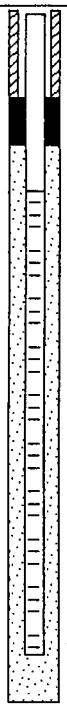


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-4S	**BORING NO.** CEF-11-4S
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-19-96	**COMPLETED:** 05-19-96
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 4'-14' FT.	**SCREEN SLOT SIZE:** 0
TOC ELEVATION: 78.16 FT. NGVD	**GROUND ELEV.:** 75.6 FT. NGVD	**NORTHING:** 2,146,996.66	**EASTING:** 372,427.22
WELL DEVELOP. DATE: 05-19-96	**TOTAL DEPTH:** 15.0' FT. BLS	**DEPTH TO ∇** 6.0' FT. BLS	**LOGGED BY:** P. Wagner

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
		60%	88.7	SILTY SAND: 100%, grayish brown, quartz, very fine-grained, subangular, dry.		SM	4,8,6,7
		90%	22.0				4,7,6,4
5		30%	39.9	CLAYEY SAND: 100%, gray to yellowish brown, fine to very fine-grained, hard, nonplastic, damp, 40% clay.		SC	7,9,9,9
		90%	12.1			SM	4,6,6,7
10				SILTY SAND: as above, saturated.			
15							
20							
25							
30							

WELL DATA

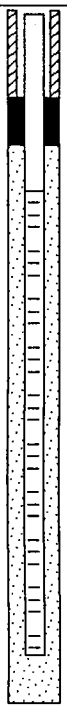


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-5S	**BORING NO.** CEF-11-5S
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-18-98	**COMPLETED:** 05-18-98
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 4'-14' FT.	**SCREEN SLOT SIZE:** 0
TOC ELEVATION: 78.10 FT. NGVD	**GROUND ELEV.:** 75.7 FT. NGVD	**NORTHING:** 2,147,095.18	**EASTING:** 372,418.11
WELL DEVELOP. DATE: 05-18-98	**TOTAL DEPTH:** 15.0' FT. BLS	**DEPTH TO ▽** 8.0' FT. BLS	**LOGGED BY:** P. Wagner

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
		N/A	7.9	SILTY SAND: 100%, light to dark gray, quartz, fine-to very fine-grained, subrounded to subangular, well sorted, dry.		SM	4,5,4,4	
		N/A	30.2	CLAYEY SAND: 100%, light gray, quartz, fine-to very fine-grained, hard, low plasticity, iron oxide staining.		SC	4,8,5,5	
5		N/A	11.5				3,5,7,9	
		N/A	9.5			SM	3,4,4,5	
				SILTY SAND: as above, saturated.				
10								
15								
20								
25								
30								

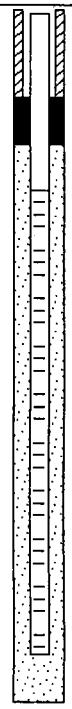


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field		**LOG of WELL:** CEF-11-6S	**BORING NO.** CEF-11-6S
CLIENT: SOUTHDIVNAVFACENGCOM	**PROJECT NO:** 08500-13	**DATE STARTED:** 05-18-98	**COMPLETED:** 05-18-98
DRILLING SUBCONTRACTOR: Alliance Environmental, Inc.		**SITE:** 11	**MONITOR INST.** PID
METHOD: Hollow Stem Auger	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 4'-14' FT.	**SCREEN SLOT SIZE:** 0
TOC ELEVATION: 78.70 FT. NGVD	**GROUND ELEV.:** 76.0 FT. NGVD	**NORTHING:** 2,147,041.81	**EASTING:** 372,631.59
WELL DEVELOP. DATE: 05-18-98	**TOTAL DEPTH:** 15.0' FT. BLS	**DEPTH TO ▽** 6.0' FT. BLS	**LOGGED BY:** P. Wagner

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
		N/A	11.3			SM	1,3,4,5	
		N/A	184				4,6,6,7	
5		N/A	54.5	SILTY SAND: 100%, dark gray to grayish brown, fine-to very fine-grained, subrounded to subangular, well sorted, wet at 6' BLS.			3,7,11,16	
10								
15								
20								
25								
30								

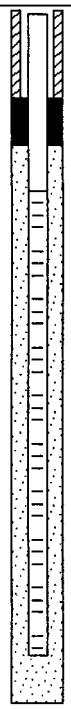


ABB ENVIRONMENTAL SERVICES, INC.

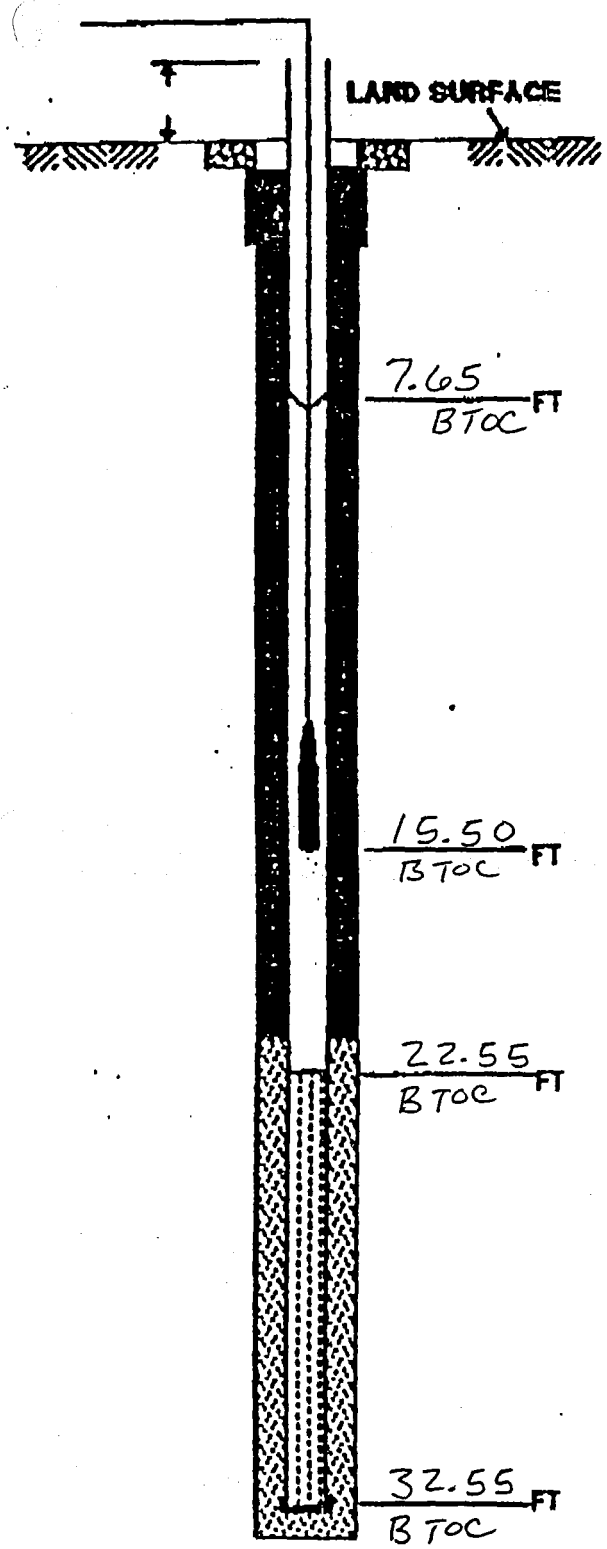
CHAPTER 6.0

HYDRAULIC CONDUCTIVITY TEST RESULTS

Section 6.1

Hydraulic Conductivity Test Results

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT OU6 Site 11

PROJECT NUMBER 08520-22

WELL NO. CEF-11-2I PUMPING WELL _____

DATE 9-12-96 TIME 12:54

DATA LOGGER SERIAL NO. 1K01828

TRANSDUCER SERIAL NO. 203833

TRANSDUCER RANGE 10 PSI

CHANNEL NO. 1

TEST DURATION _____

TIME OF INSTALLATION _____

STATIC DEPTH TO WATER 7.65 FT. _____ PSI

DEPTH OF TRANSDUCER 15.50 BTOC

CALIBRATION

DEPTH 10' FT 2.80 PSI

DEPTH 11' FT 3.79 PSI

DEPTH 12' FT 4.86 PSI

CLOCKS SYNCHRONIZED? _____

STATIC DEPTH TO WATER 7.65' BTOC

TIME PUMPING STARTS _____

_____ VERIFICATION OF DATA ACQUISITION (HR)

_____ VERIFICATION OF DATA ACQUISITION (HR)

_____ VERIFICATION OF DATA ACQUISITION (HR)

MAXIMUM PUMPING DEPTH TO WATER _____ FT _____ PSI

TIME PUMPING STOPS _____

MAXIMUM RECOVERY DEPTH TO WATER _____ FT _____ PSI

END RECOVERY _____

RECALIBRATION OF TRANSDUCER

DEPTH _____ FT _____ PSI

DEPTH _____ FT _____ PSI

DEPTH _____ FT _____ PSI

from .OUT

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

10/15/96 13:59:37

==

TEST DESCRIPTION

Data set........... a:\11mw2r1.set
Data set title..... CEF-11-MW2 Run 1

Knowns and Constants:

No. of data points.................. 161
Radius of well casing............... 0.08333
Radius of well...................... 0.3333
Aquifer saturated thickness......... 25.1
Well screen length.................. 10
Static height of water in well...... 25.1
Log(Re/Rw).......................... 3.123
A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	6.6279E-004
y0 =	0.0000E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 2.27337E-003
y0 = 6.26633E-001

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	6.266E-001	8.000E+000	3.262E-008		

from .PRN

0.0466	1.679
0.05	1.679
0.0533	1.531
0.0566	1.465
0.06	1.506
0.0633	1.433
0.0666	1.449
0.07	1.44
0.0733	1.383
0.0766	1.37
0.08	1.317
0.0833	1.288
0.0866	1.298
0.09	1.263
0.0933	1.247
0.0966	1.222
0.1	1.194
0.1033	1.184
0.1066	1.131
0.11	1.156
0.1133	1.137
0.1166	1.102
0.12	1.084
0.1233	1.065
0.1266	1.043
0.13	1.027
0.1333	1.008
0.1366	0.992
0.14	0.976
0.1433	0.961
0.1466	0.945
0.15	0.929
0.1533	0.913
0.1566	0.898
0.16	0.882
0.1633	0.869
0.1666	0.854
0.17	0.841
0.1733	0.828
0.1766	0.813
0.18	0.8
0.1833	0.784
0.1866	0.775
0.19	0.762
0.1933	0.75
0.1966	0.737
0.2	0.724
0.2033	0.712
0.2066	0.702
0.21	0.69
0.2133	0.68
0.2166	0.668
0.22	0.658
0.2233	0.649
0.2266	0.636

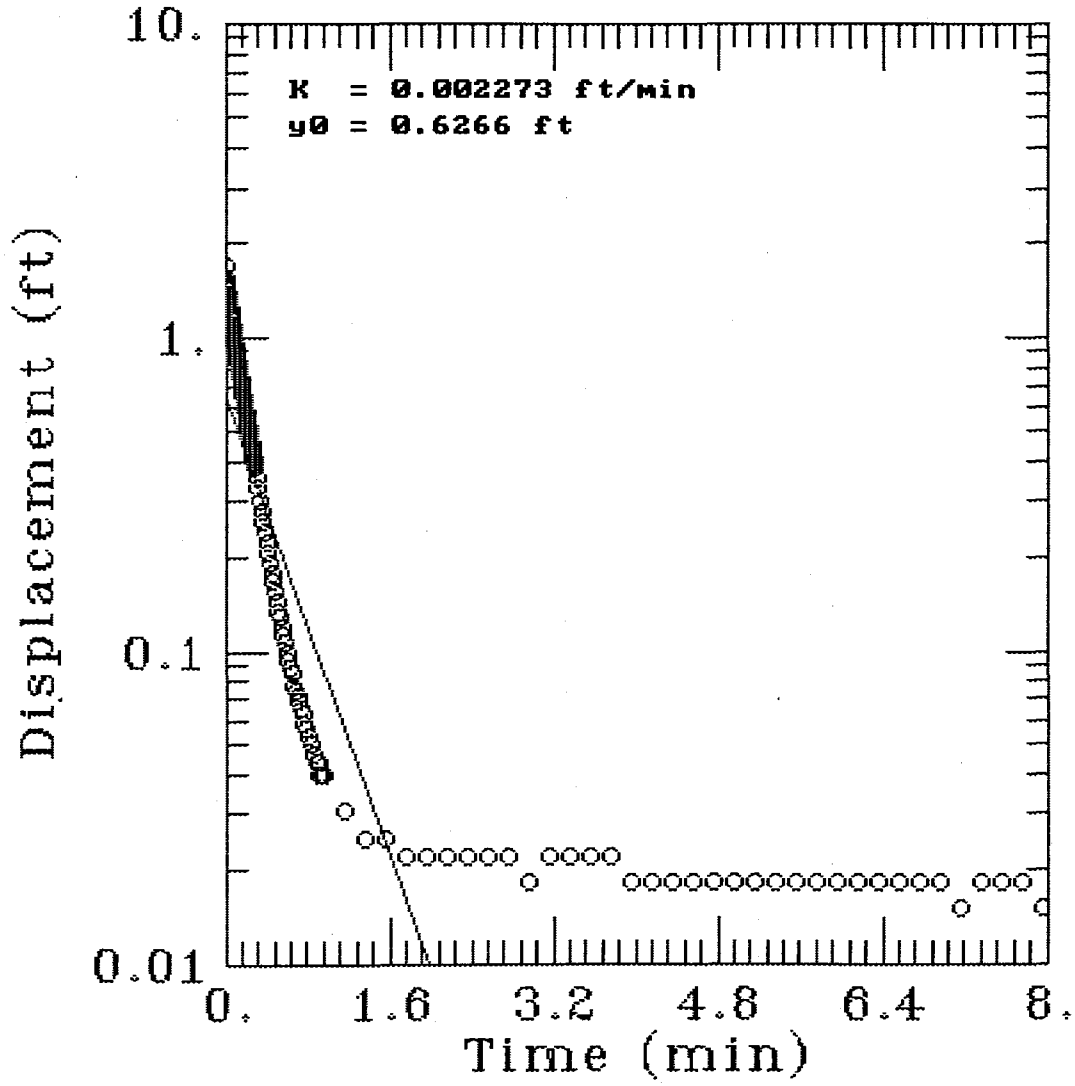
0.23	0.627
0.2333	0.617
0.2366	0.608
0.24	0.598
0.2433	0.589
0.2466	0.579
0.25	0.57
0.2533	0.56
0.2566	0.551
0.26	0.545
0.2633	0.535
0.2666	0.526
0.27	0.516
0.2733	0.51
0.2766	0.504
0.28	0.494
0.2833	0.488
0.2866	0.479
0.29	0.472
0.2933	0.466
0.2966	0.456
0.3	0.45
0.3033	0.444
0.3066	0.438
0.31	0.431
0.3133	0.425
0.3166	0.419
0.32	0.412
0.3233	0.406
0.3266	0.4
0.33	0.393
0.3333	0.387
0.35	0.356
0.3666	0.33
0.3833	0.305
0.4	0.28
0.4166	0.261
0.4333	0.242
0.45	0.223
0.4666	0.208
0.4833	0.192
0.5	0.179
0.5166	0.167
0.5333	0.157
0.55	0.145
0.5666	0.135
0.5833	0.129
0.6	0.119
0.6166	0.113
0.6333	0.107

0.65	0.1
0.6666	0.094
0.6833	0.088
0.7	0.085
0.7166	0.078
0.7333	0.075
0.75	0.072
0.7666	0.069
0.7833	0.066
0.8	0.063
0.8166	0.059
0.8333	0.056
0.85	0.053
0.8666	0.053
0.8833	0.05
0.9	0.047
0.9166	0.047
0.9333	0.044
0.95	0.044
0.9666	0.04
0.9833	0.04
1	0.04
1.2	0.031
1.4	0.025
1.6	0.025
1.8	0.022
2	0.022
2.2	0.022
2.4	0.022
2.6	0.022
2.8	0.022
3	0.018
3.2	0.022
3.4	0.022
3.6	0.022
3.8	0.022
4	0.018
4.2	0.018
4.4	0.018
4.6	0.018
4.8	0.018
5	0.018
5.2	0.018
5.4	0.018
5.6	0.018
5.8	0.018
6	0.018
6.2	0.018
6.4	0.018
6.6	0.018

6.8	0.018
7	0.018
7.2	0.015
7.4	0.018
7.6	0.018
7.8	0.018
8	0.015

CEF-MW2-RUN 1

SHELL-332-69: Network Spooler Error: Probably out of space on volume SYS:



AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

10/15/96 15:20:22

==

TEST DESCRIPTION

Data set........... a:11mw2r2

Data set title..... CEF-11-MW 2 RUN 2

Knowns and Constants:

No. of data points.................. 158
Radius of well casing............... 0.08333
Radius of well...................... 0.3333
Aquifer saturated thickness......... 24.9
Well screen length.................. 10
Static height of water in well...... 24.9
Log(Re/Rw).......................... 3.119
A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	7.1599E-004
y0 =	0.0000E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 2.99251E-003
y0 = 5.75440E-001

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	5.754E-001	8.000E+000	1.440E-010		

TYPE CURVE DATA

K = 2.99251E-003
y0 = 5.75440E-001

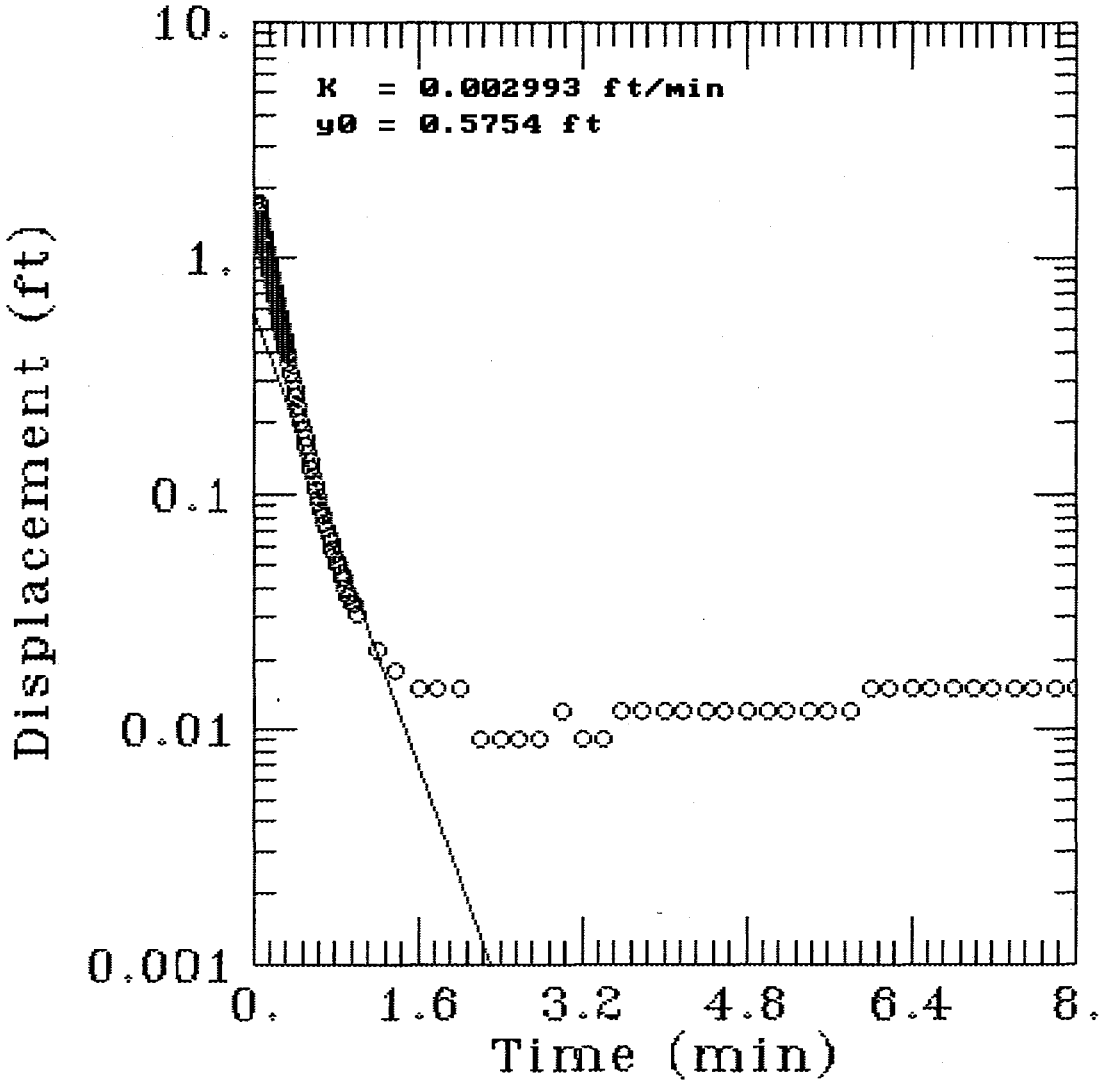
Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	5.754E-001	8.000E+000	1.440E-010		

0.06	1.707
0.0633	1.669
0.0666	1.578
0.07	1.465
0.0733	1.462
0.0766	1.427
0.08	1.405
0.0833	1.408
0.0866	1.361
0.09	1.323
0.0933	1.279
0.0966	1.279
0.1	1.25
0.1033	1.244
0.1066	1.213
0.11	1.194
0.1133	1.175
0.1166	1.159
0.12	1.131
0.1233	1.096
0.1266	1.093
0.13	1.065
0.1333	1.046
0.1366	1.017
0.14	1.027
0.1433	0.998
0.1466	0.992
0.15	0.967
0.1533	0.945
0.1566	0.932
0.16	0.917
0.1633	0.901
0.1666	0.885
0.17	0.869
0.1733	0.857
0.1766	0.841
0.18	0.828
0.1833	0.813
0.1866	0.8
0.19	0.787
0.1933	0.772
0.1966	0.759
0.2	0.746
0.2033	0.734
0.2066	0.721
0.21	0.709
0.2133	0.699
0.2166	0.687
0.22	0.674
0.2233	0.664
0.2266	0.652
0.23	0.642
0.2333	0.63
0.2366	0.62
0.24	0.608
0.2433	0.598
0.2466	0.589
0.25	0.583
0.2533	0.573
0.2566	0.564

0.26	0.554
0.2633	0.545
0.2666	0.535
0.27	0.526
[illegible]3	0.516
0.2766	0.507
0.28	0.501
0.2833	0.494
0.2866	0.485
0.29	0.479
0.2933	0.469
0.2966	0.463
0.3	0.456
0.3033	0.447
0.3066	0.441
0.31	0.434
0.3133	0.428
0.3166	0.422
0.32	0.416
0.3233	0.406
0.3266	0.4
0.33	0.393
0.3333	0.39
0.35	0.356
0.3666	0.327
0.3833	0.302
0.4	0.277
0.4166	0.258
0.4333	0.236
[illegible]	0.217
[illegible]66	0.201
0.4833	0.185
0.5	0.173
0.5166	0.16
0.5333	0.148
0.55	0.138
0.5666	0.129
0.5833	0.119
0.6	0.11
0.6166	0.104
0.6333	0.097
0.65	0.091
0.6666	0.085
0.6833	0.081
0.7	0.075
0.7166	0.072
0.7333	0.066
0.75	0.063
0.7666	0.059
0.7833	0.056
0.8	0.053
0.8166	0.05
0.8333	0.05
0.85	0.047
0.8666	0.044
[illegible]33	0.044
0.9	0.04
0.9166	0.037
0.9333	0.037
0.95	0.037

0.9666	0.034
0.9833	0.034
1	0.031
1.2	0.022
1.4	0.018
1.6	0.015
1.8	0.015
2	0.015
2.2	0.009
2.4	0.009
2.6	0.009
2.8	0.009
3	0.012
3.2	0.009
3.4	0.009
3.6	0.012
3.8	0.012
4	0.012
4.2	0.012
4.4	0.012
4.6	0.012
4.8	0.012
5	0.012
5.2	0.012
5.4	0.012
5.6	0.012
5.8	0.012
6	0.015
6.2	0.015
6.4	0.015
6.6	0.015
6.8	0.015
7	0.015
7.2	0.015
7.4	0.015
7.6	0.015
7.8	0.015
8	0.015

CEF-11-MW 2 RUN 2



AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

10/16/96 11:30:05

==

TEST DESCRIPTION

Data set........... a:11MW2r3.set

Data set title..... CEF-11-MW2 RUN 3

Knowns and Constants:

No. of data points.................. 126

Radius of well casing............... 0.08333

Radius of well...................... 0.3333

Aquifer saturated thickness......... 24.9

Well screen length.................. 10

Static height of water in well...... 24.9

Log(Re/Rw).......................... 3.119

A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	3.5097E-003
y0 =	0.0000E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 4.36408E-003

y0 = 1.25893E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.259E+000	3.000E+000	7.064E-006		

TYPE CURVE DATA

K = 4.36408E-003

y0 = 1.25893E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.259E+000	3.000E+000	7.064E-006		

SE1000C

Environmental Logger

09/13 13:29

Unit# 00008 Test 2

Setups:	INPUT 1
Type	Level (F)
Mode	TOC
I.D.	00017
Reference	0.000
Linearity	0.040
Scale factor	10.030
Offset	0.010
Delay mSEC	50.000

Step 2 09/13 12:18:23

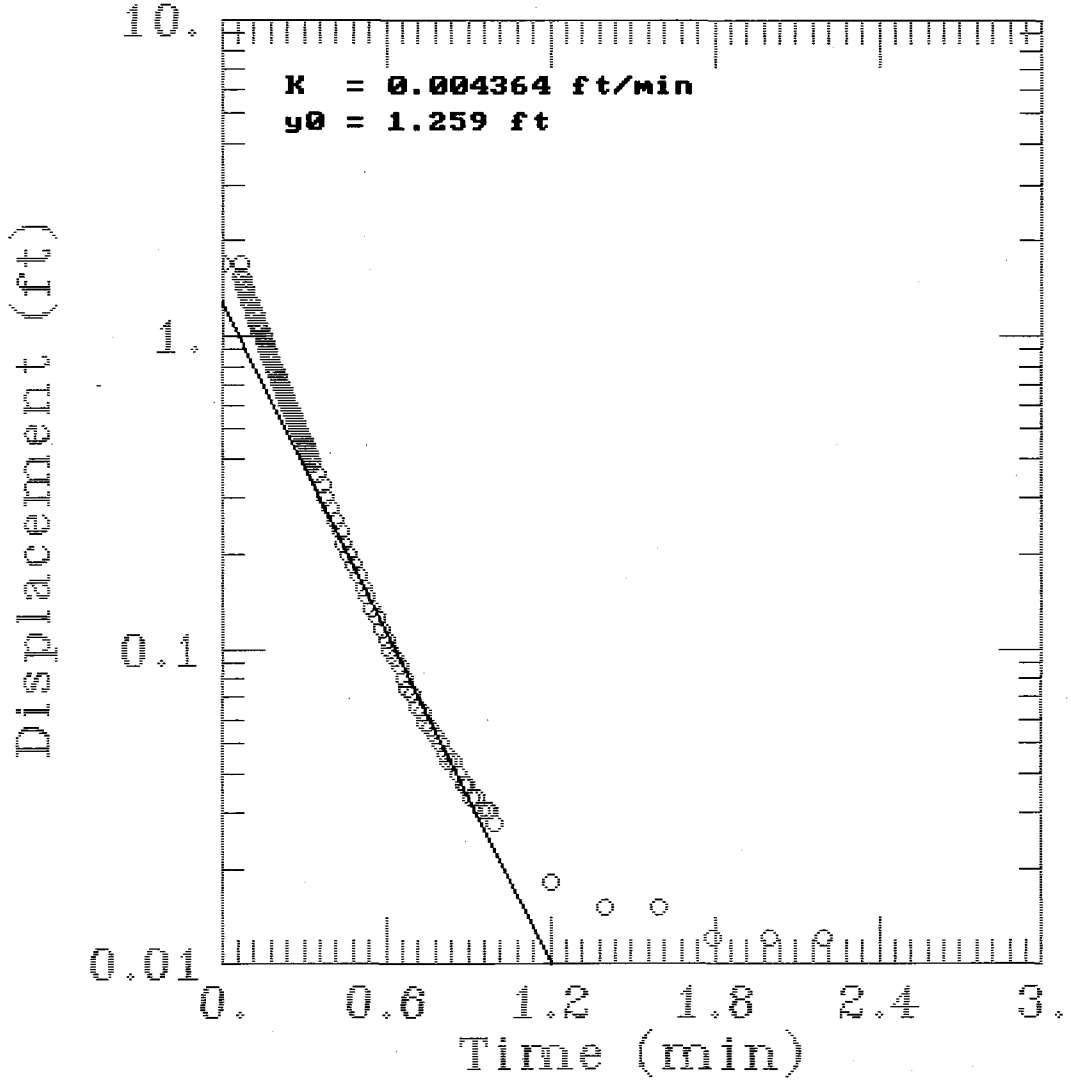
Elapsed Time	INPUT 1
0.0000	0.000
0.0033	-0.003
0.0066	-0.003
0.0100	0.000
0.0133	0.000
0.0166	0.000
0.0200	0.000
0.0233	0.000
0.0266	0.000
0.0300	0.003
0.0333	0.450
0.0366	0.674
0.0400	0.727
0.0433	0.608
0.0466	0.765
0.0500	0.702
0.0533	0.800
0.0566	0.910
0.0600	0.976
0.0633	1.295
0.0666	1.528
0.0700	1.676
0.0733	1.528
0.0766	1.499
0.0800	1.458
0.0833	1.421
0.0866	1.405
0.0900	1.354
0.0933	1.351
0.0966	1.276
0.1000	1.304
0.1033	1.263
0.1066	1.247
0.1100	1.247
0.1133	1.203
0.1166	1.178
0.1200	1.165

0.1233	1.147
0.1266	1.128
0.1300	1.084
1333	1.077
1366	1.046
0.1400	1.036
0.1433	1.033
0.1466	1.024
0.1500	0.989
0.1533	0.973
0.1566	0.954
0.1600	0.935
0.1633	0.923
0.1666	0.907
0.1700	0.888
0.1733	0.876
0.1766	0.860
0.1800	0.844
0.1833	0.828
0.1866	0.816
0.1900	0.800
0.1933	0.787
0.1966	0.775
0.2000	0.762
0.2033	0.750
0.2066	0.737
0.2100	0.724
0.2133	0.712
0.2166	0.699
2200	0.687
.2233	0.677
0.2266	0.664
0.2300	0.652
0.2333	0.642
0.2366	0.630
0.2400	0.620
0.2433	0.611
0.2466	0.598
0.2500	0.589
0.2533	0.579
0.2566	0.570
0.2600	0.560
0.2633	0.551
0.2666	0.542
0.2700	0.532
0.2733	0.526
0.2766	0.516
0.2800	0.507
0.2833	0.497
0.2866	0.491
0.2900	0.482
0.2933	0.475
0.2966	0.469
0.3000	0.460
0.3033	0.453
3066	0.447
0.3100	0.438
0.3133	0.431
0.3166	0.425
0.3200	0.419

0.3233	0.412
0.3266	0.403
0.3300	0.397
0.3333	0.390
0.3500	0.359
0.3666	0.330
0.3833	0.302
0.4000	0.280
0.4166	0.255
0.4333	0.236
0.4500	0.217
0.4666	0.201
0.4833	0.185
0.5000	0.173
0.5166	0.157
0.5333	0.148
0.5500	0.135
0.5666	0.126
0.5833	0.116
0.6000	0.107
0.6166	0.100
0.6333	0.094
0.6500	0.088
0.6666	0.081
0.6833	0.075
0.7000	0.072
0.7166	0.066
0.7333	0.063
0.7500	0.059
0.7666	0.056
0.7833	0.053
0.8000	0.050
0.8166	0.047
0.8333	0.044
0.8500	0.044
0.8666	0.040
0.8833	0.037
0.9000	0.037
0.9166	0.034
0.9333	0.034
0.9500	0.031
0.9666	0.031
0.9833	0.031
1.0000	0.028
1.2000	0.018
1.4000	0.015
1.6000	0.015
1.8000	0.012
2.0000	0.012
2.2000	0.012
2.4000	0.009
2.6000	0.009
2.8000	0.009
3.0000	0.009
3.2000	0.009
3.4000	0.009
3.6000	0.009
3.8000	0.009
4.0000	0.009
4.2000	0.009

4.4000	0.009
4.6000	0.009
4.8000	0.009
5.0000	0.009
2000	0.009
5.4000	0.009
5.6000	0.006
5.8000	0.006
6.0000	0.009
6.2000	0.009
6.4000	0.006
6.6000	0.009
6.8000	0.006
7.0000	0.006
7.2000	0.006
7.4000	0.006
7.6000	0.006
7.8000	0.006
8.0000	0.006
8.2000	0.006
8.4000	0.006
8.6000	0.006
8.8000	0.006
9.0000	0.006
9.2000	0.006
9.4000	0.006
9.6000	0.006
9.8000	0.006
10.0000	0.006

CEF-11-MW2 RUN 3



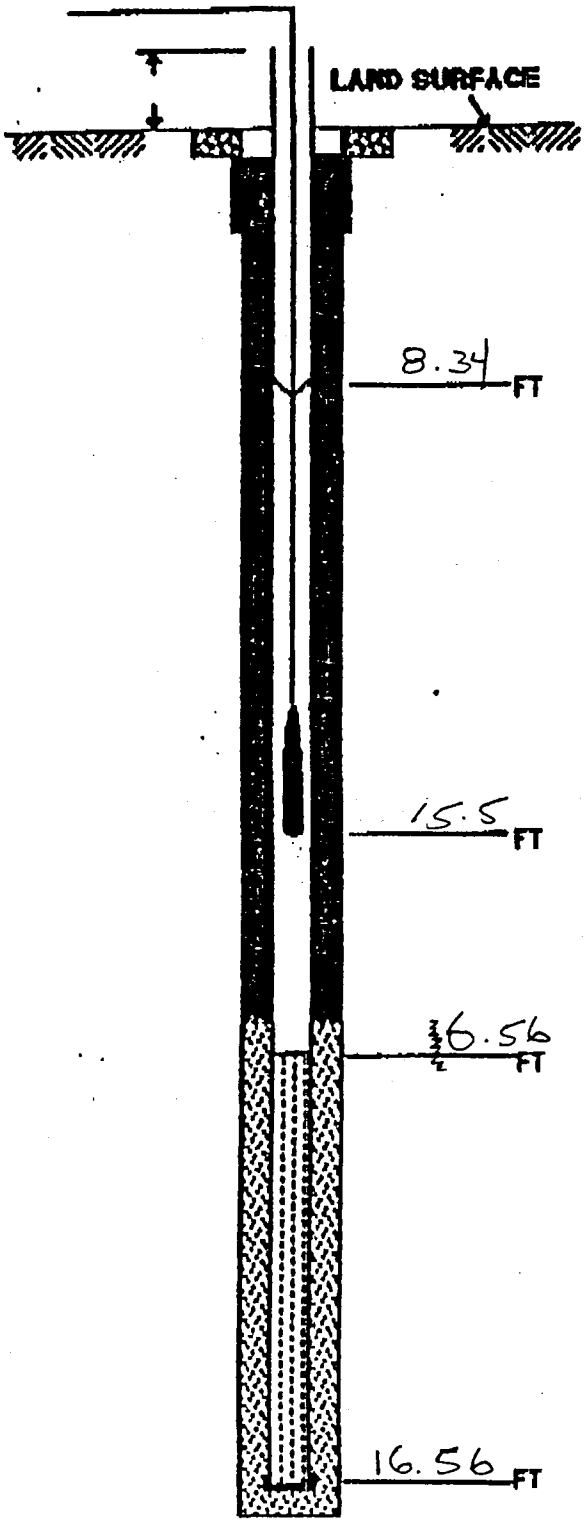
AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG

slug = 4'



OU6 Site 11

PROJECT ~~08520.22.2~~

PROJECT NUMBER 08520.22

WELL NO. CEF 11-35 PUMPING WELL _____

DATE 9-12-96 TIME 1005

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203833

TRANSDUCER RANGE 10 PSI

CHANNEL NO. 1

TEST DURATION _____

TIME OF INSTALLATION _____

STATIC DEPTH TO WATER 8.34 FT. _____ PSI

DEPTH OF TRANSDUCER 15.50

CALIBRATION
DEPTH 10 ~~1.67~~ FT 1.67 PSI
DEPTH 11 FT 2.69 PSI
DEPTH 12 FT 3.61 PSI

CLOCKS SYNCHRONIZED? _____

STATIC DEPTH TO WATER 8.34

TIME PUMPING STARTS _____

_____ VERIFICATION OF DATA ACQUISITION (HR)
_____ VERIFICATION OF DATA ACQUISITION (HR)
_____ VERIFICATION OF DATA ACQUISITION (HR)

MAXIMUM PUMPING DEPTH TO WATER _____ FT _____ PSI

TIME PUMPING STOPS _____

MAXIMUM RECOVERY DEPTH TO WATER _____ FT _____ PSI

END RECOVERY _____

RECALIBRATION OF TRANSDUCER

DEPTH _____ FT _____ PSI
DEPTH _____ FT _____ PSI
DEPTH _____ FT _____ PSI

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

11/05/96 15:39:58

==

TEST DESCRIPTION

Data set........... a:11mw3r1.set

Data set title..... CEF-11-MW3 RUN 1

Knowns and Constants:

No. of data points.................. 171

Radius of well casing.............. 0.08333

Radius of well..................... 0.3333

Aquifer saturated thickness......... 8.22

Well screen length................. 10

Static height of water in well...... 8.22

Log(Re/Rw)......................... 2.446

A, B, C............................ 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	3.3748E-005
y0 =	6.9315E+234

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 1.40824E-003

y0 = 1.81970E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.820E+000	2.000E+001	7.201E-015		

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

11/05/96 15:59:09

==

TEST DESCRIPTION

Data set........... a:11mw3r2.set

Data set title..... CEF-11-MW 3 RUN 2

Knowns and Constants:

No. of data points.................. 169
Radius of well casing............... 0.08333
Radius of well...................... 0.3333
Aquifer saturated thickness......... 8.22
Well screen length.................. 10
Static height of water in well...... 8.22
Log(Re/Rw).......................... 2.446
A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

r-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	4.1130E-005
y0 =	6.9315E+234

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 1.46692E-003
y0 = 1.91646E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.916E+000	1.600E+001	1.907E-012		

0.0666	2.438
0.0700	2.092
0.0733	2.098
0.0766	2.133
0.0800	2.063
0.0833	2.048
0.0866	2.016
0.0900	1.988
0.0933	1.963
0.0966	1.937
0.1000	1.922
0.1033	1.887
0.1066	1.868
0.1100	1.843
0.1133	1.821
0.1166	1.802
0.1200	1.774
0.1233	1.758
0.1266	1.736
0.1300	1.717
0.1333	1.701
0.1366	1.679
0.1400	1.660
0.1433	1.641
0.1466	1.625
0.1500	1.607
0.1533	1.594
0.1566	1.578
0.1600	1.556
0.1633	1.544
0.1666	1.528
0.1700	1.512
0.1733	1.499
0.1766	1.484
0.1800	1.471
0.1833	1.459
0.1866	1.446
0.1900	1.433
0.1933	1.421
0.1966	1.411
0.2000	1.399
0.2033	1.386
0.2066	1.377
0.2100	1.367
0.2133	1.358
0.2166	1.345
0.2200	1.336
0.2233	1.329
0.2266	1.320
0.2300	1.310
0.2333	1.301
0.2366	1.295
0.2400	1.285
0.2433	1.279
0.2466	1.270
0.2500	1.263
0.2533	1.257
0.2566	1.247
0.2600	1.241
0.2633	1.235

0.2666	1.229
0.2700	1.222
0.2733	1.216
0.2766	1.213
2800	1.206
0.2833	1.200
0.2866	1.197
0.2900	1.191
0.2933	1.188
0.2966	1.181
0.3000	1.178
0.3033	1.172
0.3066	1.169
0.3100	1.166
0.3133	1.162
0.3166	1.156
0.3200	1.153
0.3233	1.150
0.3266	1.147
0.3300	1.143
0.3333	1.140
0.3500	1.125
0.3666	1.112
0.3833	1.099
0.4000	1.087
0.4166	1.077
0.4333	1.071
0.4500	1.062
0.4666	1.055
4833	1.049
.5000	1.046
0.5166	1.040
0.5333	1.036
0.5500	1.033
0.5666	1.027
0.5833	1.024
0.6000	1.021
0.6166	1.017
0.6333	1.014
0.6500	1.011
0.6666	1.008
0.6833	1.008
0.7000	1.005
0.7166	1.002
0.7333	0.999
0.7500	0.999
0.7666	0.995
0.7833	0.995
0.8000	0.992
0.8166	0.989
0.8333	0.989
0.8500	0.986
0.8666	0.983
0.8833	0.983
0.9000	0.983
.9166	0.983
0.9333	0.980
0.9500	0.980
0.9666	0.976
0.9833	0.976

1.0000	0.976
1.2000	0.964
1.4000	0.954
1.6000	0.948
1.8000	0.945
2.0000	0.939
2.2000	0.936
2.4000	0.932
2.6000	0.926
2.8000	0.923
3.0000	0.923
3.2000	0.923
3.4000	0.920
3.6000	0.917
3.8000	0.917
4.0000	0.913
4.2000	0.913
4.4000	0.913
4.6000	0.910
4.8000	0.910
5.0000	0.910
5.2000	0.907
5.4000	0.907
5.6000	0.904
5.8000	0.904
6.0000	0.904
6.2000	0.904
6.4000	0.901
6.6000	0.904
6.8000	0.904
7.0000	0.901
7.2000	0.901
7.4000	0.901
7.6000	0.901
7.8000	0.901
8.0000	0.901
8.2000	0.901
8.4000	0.901
8.6000	0.898
8.8000	0.898
9.0000	0.898
9.2000	0.898
9.4000	0.898
9.6000	0.898
9.8000	0.898
10.0000	0.898
12.0000	0.800
14.0000	0.854
16.0000	0.869

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

11/06/96 09:45:41

==

TEST DESCRIPTION

Data set........... a:11mw3r3.set

Data set title..... CEF-11-MW 3 RUN 3

Knowns and Constants:

No. of data points.................. 169

Radius of well casing............... 0.08333

Radius of well...................... 0.3333

Aquifer saturated thickness......... 8.22

Well screen length.................. 10

Static height of water in well...... 8.22

Log(Re/Rw).......................... 2.446

A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

er-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	4.9163E-005
y0 =	0.0000E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 2.34707E-003

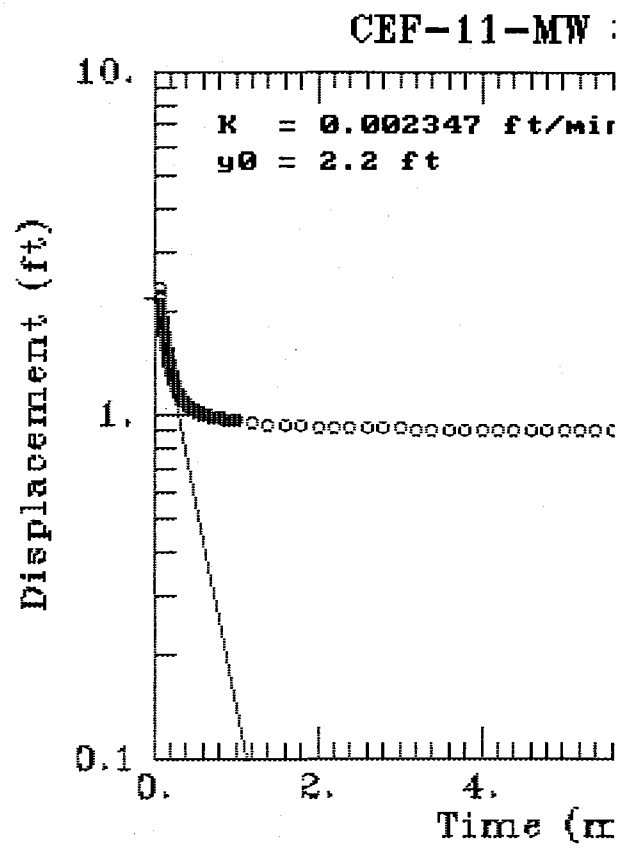
y0 = 2.20039E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	2.200E+000	1.000E+001	2.189E-012		

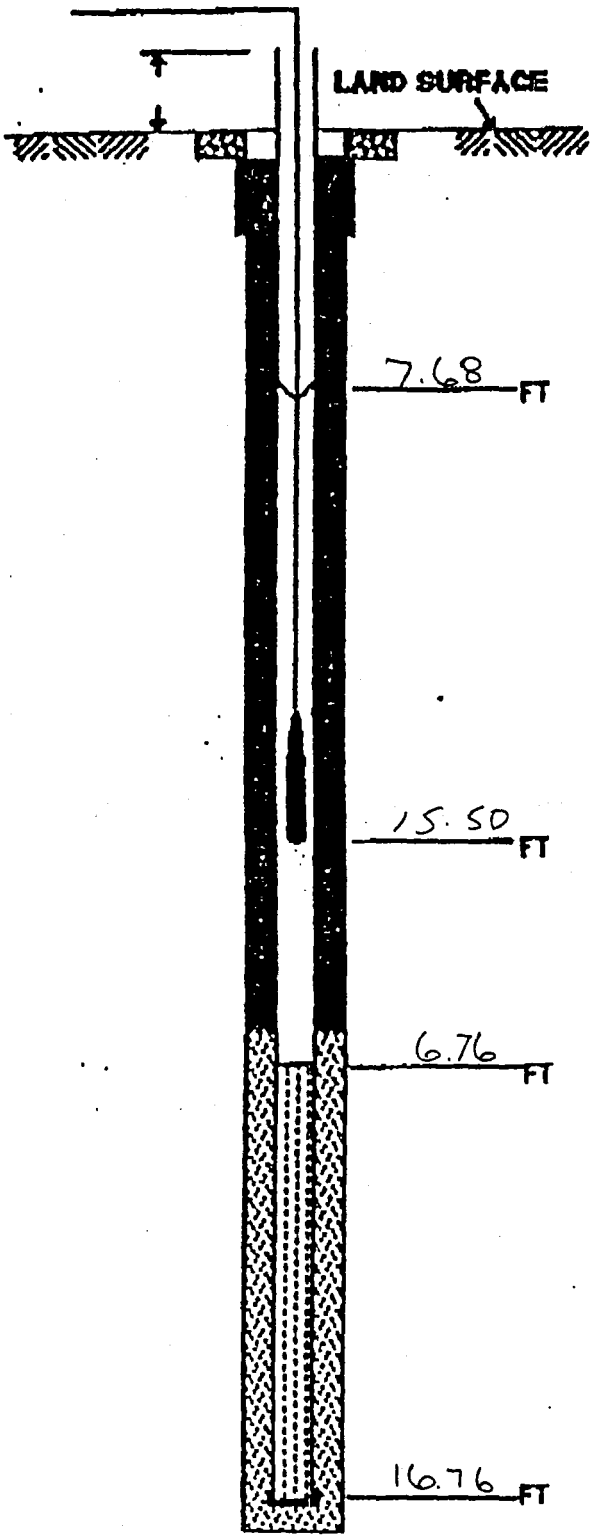
0.0566	1.947
0.0600	2.104
0.0633	2.016
0.0666	2.331
0.0700	2.205
0.0733	2.070
0.0766	2.107
0.0800	2.038
0.0833	2.019
0.0866	1.994
0.0900	1.963
0.0933	1.937
0.0966	1.912
0.1000	1.893
0.1033	1.865
0.1066	1.840
0.1100	1.821
0.1133	1.799
0.1166	1.777
0.1200	1.752
0.1233	1.736
0.1266	1.714
0.1300	1.698
0.1333	1.676
0.1366	1.657
0.1400	1.648
0.1433	1.622
0.1466	1.603
0.1500	1.588
0.1533	1.572
0.1566	1.553
0.1600	1.537
0.1633	1.525
0.1666	1.509
0.1700	1.493
0.1733	1.481
0.1766	1.465
0.1800	1.452
0.1833	1.440
0.1866	1.427
0.1900	1.414
0.1933	1.402
0.1966	1.389
0.2000	1.380
0.2033	1.367
0.2066	1.358
0.2100	1.345
0.2133	1.336
0.2166	1.326
0.2200	1.317
0.2233	1.307
0.2266	1.298
0.2300	1.288
0.2333	1.282
0.2366	1.273
0.2400	1.266
0.2433	1.257
0.2466	1.251
0.2500	1.244
0.2533	1.238

0.2566	1.229
0.2600	1.222
0.2633	1.216
0.2666	1.210
2700	1.203
0.2733	1.200
0.2766	1.194
0.2800	1.188
0.2833	1.181
0.2866	1.178
0.2900	1.172
0.2933	1.169
0.2966	1.162
0.3000	1.159
0.3033	1.156
0.3066	1.150
0.3100	1.147
0.3133	1.143
0.3166	1.140
0.3200	1.137
0.3233	1.134
0.3266	1.128
0.3300	1.128
0.3333	1.125
0.3500	1.109
0.3666	1.093
0.3833	1.084
0.4000	1.071
0.4166	1.062
.4333	1.055
0.4500	1.049
0.4666	1.043
0.4833	1.036
0.5000	1.030
0.5166	1.027
0.5333	1.021
0.5500	1.017
0.5666	1.014
0.5833	1.011
0.6000	1.008
0.6166	1.005
0.6333	1.002
0.6500	0.999
0.6666	0.995
0.6833	0.995
0.7000	0.992
0.7166	0.989
0.7333	0.989
0.7500	0.986
0.7666	0.986
0.7833	0.983
0.8000	0.983
0.8166	0.980
0.8333	0.980
0.8500	0.976
0.8666	0.976
0.8833	0.973
0.9000	0.973
0.9166	0.970
0.9333	0.970

0.9500	0.967
0.9666	0.967
0.9833	0.967
1.0000	0.964
1.2000	0.951
1.4000	0.942
1.6000	0.939
1.8000	0.932
2.0000	0.926
2.2000	0.923
2.4000	0.920
2.6000	0.917
2.8000	0.917
3.0000	0.913
3.2000	0.910
3.4000	0.910
3.6000	0.904
3.8000	0.904
4.0000	0.904
4.2000	0.904
4.4000	0.901
4.6000	0.901
4.8000	0.901
5.0000	0.898
5.2000	0.898
5.4000	0.898
5.6000	0.898
5.8000	0.895
6.0000	0.898
6.2000	0.895
6.4000	0.891
6.6000	0.891
6.8000	0.891
7.0000	0.891
7.2000	0.895
7.4000	0.895
7.6000	0.891
7.8000	0.891
8.0000	0.888
8.2000	0.888
8.4000	0.888
8.6000	0.891
8.8000	0.891
9.0000	0.891
9.2000	0.891
9.4000	0.888
9.6000	0.888
9.8000	0.891
10.0000	0.888


CEF-11-MW
K = 0.002347 ft/mi
y0 = 2.2 ft
10.
1.
0.1
0.
2.
4.
Displacement (ft)
Time (m

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT OU 6 SITE 11

PROJECT NUMBER 08520

WELL NO. CEF-11-65 PUMPING WELL _____

DATE 9-12-96 TIME 1141

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203833

TRANSDUCER RANGE 10 PSI

CHANNEL NO. 1

TEST DURATION _____ _____

TIME OF INSTALLATION _____

STATIC DEPTH TO WATER 7.68 FT. _____ PSI

DEPTH OF TRANSDUCER 15.50

CALIBRATION
DEPTH 9 FT 1.56 PSI
DEPTH 10 FT 2.46 PSI
DEPTH 11 FT 3.44 PSI

CLOCKS SYNCHRONIZED? _____

STATIC DEPTH TO WATER 7.68

TIME PUMPING STARTS _____

_____ VERIFICATION OF DATA ACQUISITION (HR)
_____ VERIFICATION OF DATA ACQUISITION (HR)
_____ VERIFICATION OF DATA ACQUISITION (HR)

MAXIMUM PUMPING DEPTH TO WATER _____ FT _____ PSI

TIME PUMPING STOPS _____

MAXIMUM RECOVERY DEPTH TO WATER _____ FT _____ PSI

END RECOVERY _____

RECALIBRATION OF TRANSDUCER

DEPTH _____ FT _____ PSI
DEPTH _____ FT _____ PSI
DEPTH _____ FT _____ PSI

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

10/25/96 16:00:02

==

TEST DESCRIPTION

Data set........... a:11mw6r1.set

Data set title..... CEF-11-MW 6 RUN 1

Knowns and Constants:

No. of data points.................. 89

Radius of well casing............... 0.08333

Radius of well...................... 0.3333

Aquifer saturated thickness......... 9.08

Well screen length.................. 10

Static height of water in well...... 9.08

Log(Re/Rw).......................... 2.51

A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

'er-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	8.1062E-003
y0 =	0.0000E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 8.10622E-003

y0 = 1.93774E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.938E+000	1.000E+000	1.765E-004		

..PE CURVE DATA

K = 8.10622E-003

y0 = 1.93774E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.938E+000	1.000E+000	1.765E-004		

0.0600	1.307
0.0633	0.904
0.0666	0.734
0.0700	0.916
0733	0.891
0.0766	0.765
0.0800	0.787
0.0833	0.797
0.0866	0.743
0.0900	0.721
0.0933	0.724
0.0966	0.699
0.1000	0.674
0.1033	0.664
0.1066	0.649
0.1100	0.630
0.1133	0.614
0.1166	0.598
0.1200	0.586
0.1233	0.570
0.1266	0.557
0.1300	0.545
0.1333	0.532
0.1366	0.523
0.1400	0.510
0.1433	0.497
0.1466	0.485
0.1500	0.475
0.1533	0.463
1566	0.453
.1600	0.441
0.1633	0.431
0.1666	0.419
0.1700	0.409
0.1733	0.400
0.1766	0.390
0.1800	0.381
0.1833	0.371
0.1866	0.362
0.1900	0.352
0.1933	0.343
0.1966	0.334
0.2000	0.327
0.2033	0.318
0.2066	0.308
0.2100	0.302
0.2133	0.293
0.2166	0.286
0.2200	0.277
0.2233	0.271
0.2266	0.264
0.2300	0.255
0.2333	0.248
0.2366	0.242
0.2400	0.236
2433	0.230
0.2466	0.223
0.2500	0.217
0.2533	0.211
0.2566	0.204

0.2600	0.198
0.2633	0.192
0.2666	0.185
0.2700	0.182
0.2733	0.176
0.2766	0.170
0.2800	0.163
0.2833	0.160
0.2866	0.157
0.2900	0.151
0.2933	0.144
0.2966	0.141
0.3000	0.138
0.3033	0.132
0.3066	0.129
0.3100	0.122
0.3133	0.119
0.3166	0.116
0.3200	0.110
0.3233	0.107
0.3266	0.103
0.3300	0.100
0.3333	0.094
0.3500	0.072
0.3666	0.059
0.3833	0.047
0.4000	0.031
0.4166	0.018
0.4333	0.009
0.4500	0.000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

11/05/96 13:57:39

==

TEST DESCRIPTION

Data set.......... a:11mw6r2.set
Data set title..... CEF-11-MW6 RUN 2

Knowns and Constants:

No. of data points.................. 84
Radius of well casing............... 0.08333
Radius of well...................... 0.3333
Aquifer saturated thickness......... 9.08
Well screen length.................. 10
Static height of water in well...... 9.08
Log(Re/Rw).......................... 2.51
A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

er-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	8.1728E-003
y0 =	0.0000E+000

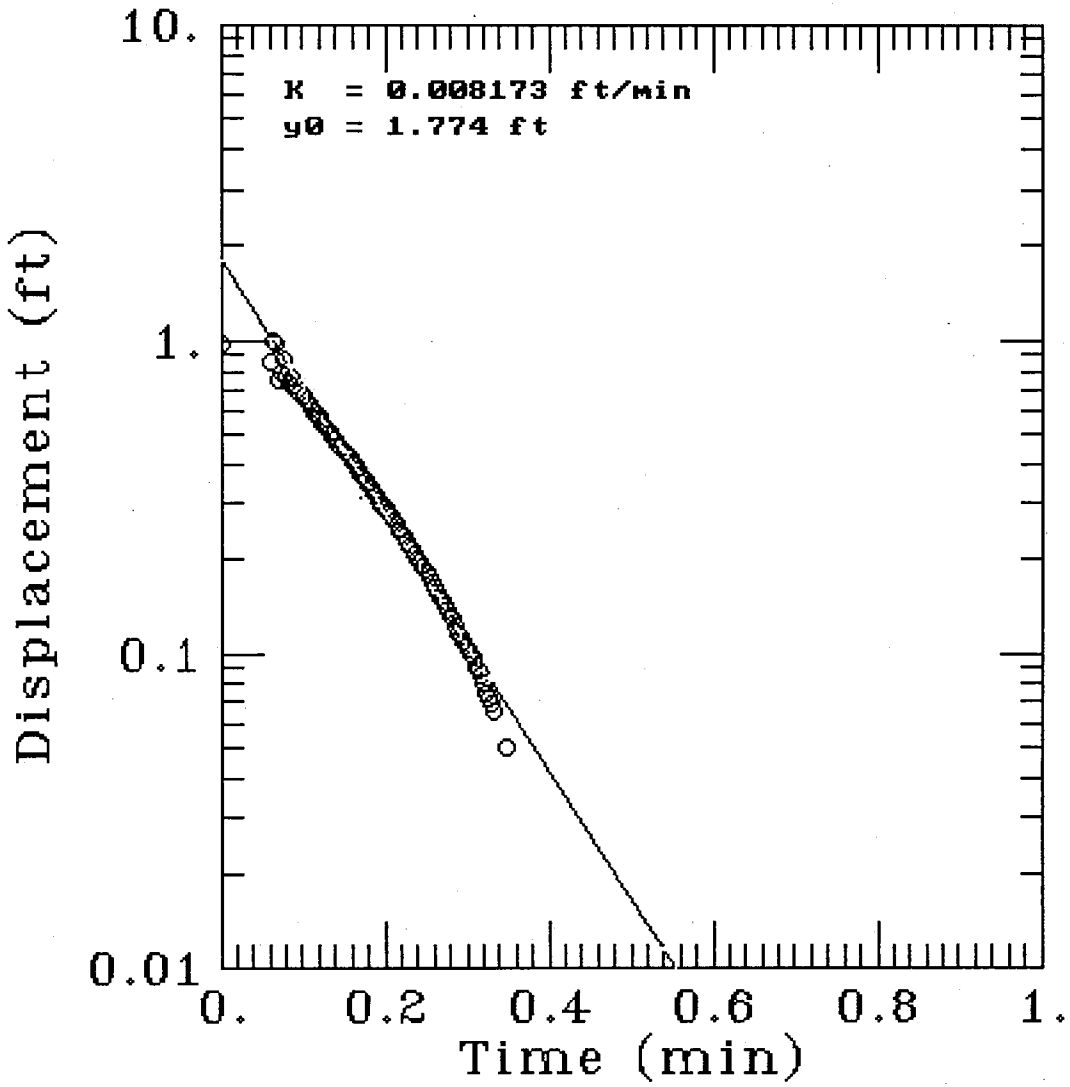
<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 8.17282E-003
y0 = 1.77450E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.774E+000	1.000E+000	1.498E-004		

CEF-11-MW6 RUN 2



AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

0.0600	0.853
0.0633	1.002
0.0666	0.983
0.0700	0.753
0733	0.790
0.0766	0.876
0.0800	0.772
0.0833	0.731
0.0866	0.756
0.0900	0.727
0.0933	0.690
0.0966	0.680
0.1000	0.671
0.1033	0.649
0.1066	0.633
0.1100	0.611
0.1133	0.589
0.1166	0.586
0.1200	0.570
0.1233	0.548
0.1266	0.535
0.1300	0.523
0.1333	0.510
0.1366	0.497
0.1400	0.485
0.1433	0.469
0.1466	0.456
0.1500	0.444
0.1533	0.431
1566	0.422
.1600	0.409
0.1633	0.400
0.1666	0.387
0.1700	0.375
0.1733	0.365
0.1766	0.356
0.1800	0.346
0.1833	0.337
0.1866	0.327
0.1900	0.318
0.1933	0.308
0.1966	0.299
0.2000	0.289
0.2033	0.283
0.2066	0.274
0.2100	0.264
0.2133	0.258
0.2166	0.248
0.2200	0.242
0.2233	0.236
0.2266	0.226
0.2300	0.220
0.2333	0.214
0.2366	0.207
0.2400	0.201
2433	0.195
0.2466	0.189
0.2500	0.182
0.2533	0.176
0.2566	0.170

0.2600	0.163
0.2633	0.157
0.2666	0.151
0.2700	0.148
0.2733	0.141
0.2766	0.138
0.2800	0.132
0.2833	0.129
0.2866	0.122
0.2900	0.116
0.2933	0.113
0.2966	0.110
0.3000	0.103
0.3033	0.100
0.3066	0.097
0.3100	0.091
0.3133	0.088
0.3166	0.085
0.3200	0.081
0.3233	0.075
0.3266	0.072
0.3300	0.069
0.3333	0.066
0.3500	0.050

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S

Version 1.10

11/05/96 15:15:41

==

TEST DESCRIPTION

Data set.......... a:11mw6r3.set

Data set title..... CEF-MW6 RUN 3

Knowns and Constants:

No. of data points.................. 79

Radius of well casing.............. 0.08333

Radius of well...................... 0.3333

Aquifer saturated thickness......... 9.08

Well screen length.................. 10

Static height of water in well...... 9.08

Log(Re/Rw).......................... 2.51

A, B, C............................. 0.000, 0.000, 1.969

==

ANALYTICAL METHOD

'er-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

Estimate

K = 8.6370E-003

y0 = 6.9315E+234

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

TYPE CURVE DATA

K = 8.63701E-003

y0 = 1.98077E+000

Time	Drawdown	Time	Drawdown	Time	Drawdown
0.000E+000	1.981E+000	1.000E+000	9.812E-005		

0.0800	0.819
0.0833	0.797
0.0866	0.734
0.0900	0.731
0.0933	0.727
0.0966	0.696
0.1000	0.671
0.1033	0.655
0.1066	0.645
0.1100	0.627
0.1133	0.601
0.1166	0.595
0.1200	0.576
0.1233	0.557
0.1266	0.545
0.1300	0.532
0.1333	0.516
0.1366	0.504
0.1400	0.488
0.1433	0.475
0.1466	0.463
0.1500	0.447
0.1533	0.438
0.1566	0.425
0.1600	0.415
0.1633	0.403
0.1666	0.390
0.1700	0.381
0.1733	0.368
0.1766	0.359
0.1800	0.349
0.1833	0.337
0.1866	0.327
0.1900	0.318
0.1933	0.308
0.1966	0.302
0.2000	0.293
0.2033	0.283
0.2066	0.274
0.2100	0.267
0.2133	0.258
0.2166	0.248
0.2200	0.242
0.2233	0.233
0.2266	0.226
0.2300	0.220
0.2333	0.214
0.2366	0.204
0.2400	0.198
0.2433	0.192
0.2466	0.185
0.2500	0.179
0.2533	0.173
0.2566	0.170
0.2600	0.163
0.2633	0.157
0.2666	0.151
0.2700	0.144
0.2733	0.141
0.2766	0.135

0.2800	0.132
0.2833	0.126
0.2866	0.119
0.2900	0.116
2933	0.113
0.2966	0.107
0.3000	0.103
0.3033	0.097
0.3066	0.094
0.3100	0.091
0.3133	0.085
0.3166	0.081
0.3200	0.078
0.3233	0.075
0.3266	0.072
0.3300	0.069
0.3333	0.063
0.3500	0.047
0.3666	0.031

CHAPTER 7.0

FATE AND TRANSPORT CALCULATIONS

PROJECT	COMP. BY	JOB NO.
CECIL FIELD OU 6 RI REPORT CALCULATIONS	EAB	8500-13
	CHK. BY GMS	DATE 12-5-96

Horizontal Gradient & Seepage Velocity Calculations

- Across the source area parallel to groundwater flow direction: CEF-11-6S to CEF-11-4S

Distance between wells = 210 feet = d

Groundwater elevation: CEF-11-6S = 71.11
CEF-11-4S = 70.51

Head difference between wells = 0.60 = g

Horizontal Hydraulic Gradient $i = g/d = \frac{0.60}{210} = 0.0029$ ft/ft

Seepage Velocity $v = ki/n$

k = 5 ft/day from slug test results

n = 0.2

$$v = \frac{5 \text{ ft/day } 0.0029 \text{ ft/ft}}{0.20} = 0.073 \text{ ft/day} = 27 \text{ ft/yr}$$

PROJECT	COMP. BY	JOB NO.
CECIL FIELD OU 6 RI REPORT CALCULATIONS	EAB	2600-13
	CHK. BY AMS	DATE 12-3-96

Estimation of Retardation Factor for DBCP

$R = 1 + \frac{\partial Kd}{n}$ = Retardation Factor

where: ∂ = bulk density

Kd = distribution coefficient

n = effective porosity = 0.20

$\partial = 1.17\ g/cm^3$ from geotechnical testing of OU 6 soil

$Kd = Koc\ foc$

$\log Koc = 2.11$ $Koc = 128.82\ cm^3/g$ (from Montgomery, 1991)

$foc = 11{,}000\ mg/kg$ $foc = 0.011$ (from OU6 surface soil)

$Kd = 128.82\ (0.011) = 1.42\ cm^3/g$

$$R = 1 + \frac{1.17\ g/cm^3\ (1.42\ cm^3/g)}{0.20} = 9.3$$

for: $foc = 0.005$ (from Cecil Field phreatic soil, 10-20 ft bls)

$Kd = 128.82\ (0.005) = 0.64\ cm^3/g$

$$R = 1 + \frac{1.17\ g/cm^3\ (0.64\ cm^3/g)}{0.20} = 4.7$$