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NAS CECIL FIELD
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REMEDIAL INVESTIGATION DATA DOCUMENT OPERABLE UNIT 3 NAS CECIL FIELD FL
9/1/1996
ABB ENVIRONMENTAL SERVICES

NASCF Jacksonville
Comp-N60200-000017
9/1/1996
35

REMEDIAL INVESTIGATION DATA DOCUMENT
OPERABLE UNIT 3

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

UNIT IDENTIFICATION CODE:N60200
CONTRACT NO.: N62467-89-D0317/090

SEPTEMBER 1996

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

PRINTED ON RECYCLED PAPER

REMEDIAL INVESTIGATION DATA DOCUMENT

OPERABLE UNIT 3

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code: N60200

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

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September 1996

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Jacksonville, Florida

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INTRODUCTION

The Operable Unit (OU) 3 Remedial Investigation Data Document (RIDD) is a companion document to the Naval Air Station (NAS) Cecil Field OU 3 Remedial Investigation (RI) Report. The OU 3 RIDD contains data collected during the RI and data developed in the risk assessment. Background information and results from prior 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 3 consists of Site 7, Former Firefighting Training Area and Site 8, Firefighting Training, Boresite Test Range, and Hazardous Waste Storage Area. Firefighting training activities were conducted at both sites. Training activities entailed aircraft frames being doused with flammable-waste liquids and ignited. Training personnel then practiced containing and extinguishing the fires. Firefighting training activities were conducted on an asphalt surface and in unlined pits.

Unpaved areas at both sites consist of sandy materials, characterized by fine-grained sand with minor amounts of silt and clay. These sandy materials exist from land surface to approximately 100 feet below land surface. Typically, groundwater was encountered in these sandy materials at 2 to 8 feet below land surface.

Evaluation of the environmental samples' chemical screening data indicated that contamination, most likely from the training activities, exists in OU 3 surface soil, subsurface soil, and the groundwater of the surficial aquifer. As a result, confirmatory data were collected from OU 3 surface soil, subsurface soil, surficial aquifer groundwater, surface water and sediment. Lithologic, soil grain size, and hydrologic data were collected as well. The OU 3 RIDD presents these 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 3 RI Report.

CHAPTER 1.0

ANALYTICAL DATA

Section 1.1

Site 7, Confirmatory Surface Soil Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26HM				A26HN				A26HP				A26HQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS1				CF7SS2				CF7SS3				CF7SS4			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	13	U	ug/kg	13
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Acetone	4	J	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	5	J	ug/kg	13
Carbon disulfide	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,1-Dichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,1-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,2-Dichloroethene (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Chloroform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,2-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Carbon tetrachloride	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Bromodichloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,2-Dichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
cis-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Trichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Dibromochloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,1,2-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Benzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
trans-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Bromoform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Toluene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Chlorobenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Ethylbenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Styrene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7
Xylenes (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	7	U	ug/kg	7

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26HR				A26HT				A26HV				A26HW			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS5				CF7SS6				CF7SS7				CF7SS8			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Acetone	6	J	ug/kg	11	2	J	ug/kg	11	11	U	ug/kg	11	2	J	ug/kg	11
Carbon disulfide	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethene (total)	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Chloroform	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
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	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Carbon tetrachloride	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Bromodichloromethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
cis-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Trichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Dibromochloromethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Benzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Bromoform	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
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	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Toluene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Chlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Ethylbenzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Styrene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Xylenes (total)	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26HX				A26J0				A26J2				A26J3			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS9				CF7SS10				CF7SS10D				CF7SS11			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	12	U	ug/kg	12
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Acetone	11	J	ug/kg	11	3	J	ug/kg	11	2	J	ug/kg	11	3	J	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26J4				A26J5				A26J6				A26J7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	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	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	12	U	ug/kg	12	5	J	ug/kg	12	11	U	ug/kg	11	3	J	ug/kg	11
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
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	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
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	5	U	ug/kg	5	5	U	ug/kg	5
Toluene	6	U	ug/kg	6	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	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26KD				A26J8				A26J9				A26JA			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	12	U	ug/kg	12	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Methylene chloride	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Acetone	11	U	ug/kg	11	2	J	ug/kg	11	6	J	ug/kg	12	11	U	ug/kg	11
Carbon disulfide	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethene (total)	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Chloroform	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
1,1,1-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Carbon tetrachloride	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Bromodichloromethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
cis-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Trichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Dibromochloromethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Benzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Bromoform	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Tetrachloroethene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Toluene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Chlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Ethylbenzene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Styrene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5
Xylenes (total)	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	5	U	ug/kg	5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7383
SURFACE SOIL -- VOLATILES

Lab Sample Number:	A26JC				A26KC			
Site	CECIL3				CECIL3			
Locator	CF7SS19D				CF7SS20			
Collect Date:	09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	2	J	ug/kg	11	11	U	ug/kg	11
Carbon disulfide	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11
1,1,1-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5
Benzene	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene	5	U	ug/kg	5	5	U	ug/kg	5
Toluene	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
Chlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene	5	U	ug/kg	5	5	U	ug/kg	5
Styrene	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)	5	U	ug/kg	5	5	U	ug/kg	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HM				A26HN				A26HP				A26HQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS1				CF7SS2				CF7SS3				CF7SS4			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	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	360	U	ug/kg	360	440	U	ug/kg	440
bis(2-Chloroethyl) ether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2-Chlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
1,3-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
1,4-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
1,2-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2-Methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,2-oxybis(1-Chloropropane)	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
4-Methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
N-Nitroso-di-n-propylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Hexachloroethane	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Nitrobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Isophorone	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2-Nitrophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,4-Dimethylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
bis(2-Chloroethoxy) methane	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,4-Dichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
1,2,4-Trichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Naphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
4-Chloroaniline	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Hexachlorobutadiene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
4-Chloro-3-methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2-Methylnaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Hexachlorocyclopentadiene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,4,6-Trichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,4,5-Trichlorophenol	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
2-Chloronaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2-Nitroaniline	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
Dimethylphthalate	370	U	ug/kg	370	140	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
Acenaphthylene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
2,6-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
3-Nitroaniline	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
Acenaphthene	370	U	ug/kg	370	63	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
2,4-Dinitrophenol	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
4-Nitrophenol	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
Dibenzofuran	370	U	ug/kg	370	24	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
2,4-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Diethylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
4-Chlorophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Fluorene	370	U	ug/kg	370	48	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
4-Nitroaniline	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
4-Bromophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Hexachlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Pentachlorophenol	890	U	ug/kg	890	860	U	ug/kg	860	870	U	ug/kg	870	1100	U	ug/kg	1100
Phenanthrene	26	J	ug/kg	370	460		ug/kg	350	78	J	ug/kg	350	440	U	ug/kg	440
Anthracene	370	U	ug/kg	370	50	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
Carbazole	370	U	ug/kg	370	73	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
Di-n-butylphthalate	97	J	ug/kg	370	170	J	ug/kg	350	88	J	ug/kg	350	57	J	ug/kg	440

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HM				A26HN				A26HP				A26HQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS1				CF7SS2				CF7SS3				CF7SS4			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	98	J	ug/kg	370	550		ug/kg	350	110	J	ug/kg	350	49	J	ug/kg	440
Pyrene	84	J	ug/kg	370	430		ug/kg	350	79	J	ug/kg	350	37	J	ug/kg	440
Butylbenzylphthalate	370	U	ug/kg	370	180	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
3,3-Dichlorobenzidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Benzo (a) anthracene	74	J	ug/kg	370	250	J	ug/kg	350	32	J	ug/kg	350	23	J	ug/kg	440
Chrysene	110	J	ug/kg	370	270	J	ug/kg	350	48	J	ug/kg	350	33	J	ug/kg	440
bis(2-Ethylhexyl) phthalate	370	U	ug/kg	370	320	J	ug/kg	350	42	J	ug/kg	350	44	J	ug/kg	440
Di-n-octylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	440	U	ug/kg	440
Benzo (b) fluoranthene	220	J	ug/kg	370	450	J	ug/kg	350	56	J	ug/kg	350	55	J	ug/kg	440
Benzo (k) fluoranthene	64	J	ug/kg	370	130	J	ug/kg	350	23	J	ug/kg	350	25	J	ug/kg	440
Benzo (a) pyrene	140	J	ug/kg	370	220	J	ug/kg	350	31	J	ug/kg	350	33	J	ug/kg	440
Indeno (1,2,3-cd) pyrene	140	J	ug/kg	370	160	J	ug/kg	350	23	J	ug/kg	350	35	J	ug/kg	440
Dibenzo (a,h) anthracene	39	J	ug/kg	370	38	J	ug/kg	350	360	U	ug/kg	360	440	U	ug/kg	440
Benzo (g,h,i) perylene	160	J	ug/kg	370	170	J	ug/kg	350	25	J	ug/kg	350	30	J	ug/kg	440

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HR				A26HT				A26HV				A26HW			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS5				CF7SS6				CF7SS7				CF7SS8			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
bis(2-Chloroethyl) ether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2-Chlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
1,3-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
1,4-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
1,2-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
4-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
N-Nitroso-di-n-propylamine	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Hexachloroethane	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Nitrobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Isophorone	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2-Nitrophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4-Dimethylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4-Dichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
1,2,4-Trichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Naphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
4-Chloroaniline	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Hexachlorobutadiene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
4-Chloro-3-methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2-Methylnaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Hexachlorocyclopentadiene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4,6-Trichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4,5-Trichlorophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
2-Chloronaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
Dimethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Acenaphthylene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,6-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
3-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
Acenaphthene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4-Dinitrophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
4-Nitrophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
Dibenzofuran	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
2,4-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Diethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
4-Chlorophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Fluorene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HR				A26HT				A26HV				A26HW			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS5				CF7SS6				CF7SS7				CF7SS8			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
4,6-Dinitro-2-methylphenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
4-Bromophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Hexachlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Pentachlorophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	860	U	ug/kg	860
Phenanthrene	210	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Anthracene	29	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Carbazole	47	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Di-n-butylphthalate	120	J	ug/kg	360	160	J	ug/kg	360	110	J	ug/kg	370	110	J	ug/kg	350
Fluoranthene	620		ug/kg	360	55	J	ug/kg	360	32	J	ug/kg	370	110	J	ug/kg	350
Pyrene	410		ug/kg	360	43	J	ug/kg	360	22	J	ug/kg	370	91	J	ug/kg	350
Butylbenzylphthalate	110	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
3,3-Dichlorobenzidine	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	350	U	ug/kg	350
Benzo (a) anthracene	300	J	ug/kg	360	37	J	ug/kg	360	370	U	ug/kg	370	94	J	ug/kg	350
Chrysene	390		ug/kg	360	43	J	ug/kg	360	24	J	ug/kg	370	100	J	ug/kg	350
bis(2-Ethylhexyl) phthalate	170	J	ug/kg	360	31	J	ug/kg	360	22	J	ug/kg	370	32	J	ug/kg	350
Di-n-octylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	20	J	ug/kg	370	350	U	ug/kg	350
Benzo (b) fluoranthene	670	J	ug/kg	360	83	J	ug/kg	360	60	J	ug/kg	370	190	J	ug/kg	350
Benzo (k) fluoranthene	260	J	ug/kg	360	31	J	ug/kg	360	26	J	ug/kg	370	68	J	ug/kg	350
Benzo (a) pyrene	330	J	ug/kg	360	47	J	ug/kg	360	33	J	ug/kg	370	110	J	ug/kg	350
Indeno (1,2,3-cd) pyrene	220	J	ug/kg	360	39	J	ug/kg	360	34	J	ug/kg	370	71	J	ug/kg	350
Dibenzo (a,h) anthracene	62	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	18	J	ug/kg	350
Benzo (g,h,i) perylene	220	J	ug/kg	360	42	J	ug/kg	360	30	J	ug/kg	370	71	J	ug/kg	350

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HX				A26J0				A26J2				A26J3			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS9				CF7SS10				CF7SS10D				CF7SS11			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
bis(2-Chloroethyl) ether	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2-Chlorophenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
1,3-Dichlorobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
1,4-Dichlorobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
1,2-Dichlorobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2-Methylphenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,2-oxybis(1-Chloropropane)	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
4-Methylphenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Hexachloroethane	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Nitrobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Isophorone	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2-Nitrophenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dimethylphenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
bis(2-Chloroethoxy) methane	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dichlorophenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
1,2,4-Trichlorobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Naphthalene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
4-Chloroaniline	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorobutadiene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
4-Chloro-3-methylphenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2-Methylnaphthalene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorocyclopentadiene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4,6-Trichlorophenol	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4,5-Trichlorophenol	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
2-Chloronaphthalene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2-Nitroaniline	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
Dimethylphthalate	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Acenaphthylene	370	U	ug/kg	370	19	J	ug/kg	350	42	J	ug/kg	350	380	U	ug/kg	380
2,6-Dinitrotoluene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
3-Nitroaniline	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
Acenaphthene	370	U	ug/kg	370	28	J	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dinitrophenol	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
4-Nitrophenol	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
Dibenzofuran	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
2,4-Dinitrotoluene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Diethylphthalate	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
4-Chlorophenyl-phenylether	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Fluorene	370	U	ug/kg	370	37	J	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26HX				A26J0				A26J2				A26J3			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS9				CF7SS10				CF7SS10D				CF7SS11			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
4,6-Dinitro-2-methylphenol	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
4-Bromophenyl-phenylether	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Hexachlorobenzene	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Pentachlorophenol	910	U	ug/kg	910	860	U	ug/kg	860	860	U	ug/kg	860	930	U	ug/kg	930
Phenanthrene	370	U	ug/kg	370	560		ug/kg	350	180	J	ug/kg	350	380	U	ug/kg	380
Anthracene	370	U	ug/kg	370	98	J	ug/kg	350	74	J	ug/kg	350	380	U	ug/kg	380
Carbazole	370	U	ug/kg	370	120	J	ug/kg	350	37	J	ug/kg	350	380	U	ug/kg	380
Di-n-butylphthalate	87	J	ug/kg	370	180	J	ug/kg	350	180	J	ug/kg	350	140	J	ug/kg	380
Fluoranthene	33	J	ug/kg	370	1300		ug/kg	350	930		ug/kg	350	53	J	ug/kg	380
Pyrene	30	J	ug/kg	370	940		ug/kg	350	1100		ug/kg	350	44	J	ug/kg	380
Butylbenzylphthalate	370	U	ug/kg	370	37	J	ug/kg	350	130	J	ug/kg	350	380	U	ug/kg	380
3,3-Dichlorobenzidine	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Benzo (a) anthracene	24	J	ug/kg	370	820		ug/kg	350	1200		ug/kg	350	35	J	ug/kg	380
Chrysene	35	J	ug/kg	370	840		ug/kg	350	1200		ug/kg	350	46	J	ug/kg	380
bis(2-Ethylhexyl) phthalate	370	U	ug/kg	370	78	J	ug/kg	350	88	J	ug/kg	350	34	J	ug/kg	380
Di-n-octylphthalate	370	U	ug/kg	370	350	U	ug/kg	350	350	U	ug/kg	350	380	U	ug/kg	380
Benzo (b) fluoranthene	77	J	ug/kg	370	1400	J	ug/kg	350	3200	J	ug/kg	350	92	J	ug/kg	380
Benzo (k) fluoranthene	29	J	ug/kg	370	510	J	ug/kg	350	980	J	ug/kg	350	31	J	ug/kg	380
Benzo (a) pyrene	53	J	ug/kg	370	780	J	ug/kg	350	1800	J	ug/kg	350	52	J	ug/kg	380
Indeno (1,2,3-cd) pyrene	35	J	ug/kg	370	360	J	ug/kg	350	960	J	ug/kg	350	37	J	ug/kg	380
Dibenzo (a,h) anthracene	370	U	ug/kg	370	120	J	ug/kg	350	250	J	ug/kg	350	380	U	ug/kg	380
Benzo (g,h,i) perylene	40	J	ug/kg	370	320	J	ug/kg	350	950		ug/kg	350	52	J	ug/kg	380

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26J4				A26J5				A26J6				A26J7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Chloroethyl) ether	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Chlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,3-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,4-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,2-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachloroethane	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Nitrobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Isophorone	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitrophenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dimethylphenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,2,4-Trichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Naphthalene	47	J	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloroaniline	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobutadiene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloro-3-methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Methylnaphthalene	200	J	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorocyclopentadiene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4,6-Trichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4,5-Trichlorophenol	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
2-Chloronaphthalene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitroaniline	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
Dimethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Acenaphthylene	88	J	ug/kg	390	22	J	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,6-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3-Nitroaniline	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
Acenaphthene	360	J	ug/kg	390	48	J	ug/kg	390	350	U	ug/kg	350	29	J	ug/kg	350
2,4-Dinitrophenol	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
4-Nitrophenol	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
Dibenzofuran	120	J	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Diethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Chlorophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Fluorene	360	J	ug/kg	390	38	J	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26J4				A26J5				A26J6				A26J7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	110	J	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
4,6-Dinitro-2-methylphenol	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Bromophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Pentachlorophenol	940	U	ug/kg	940	950	U	ug/kg	950	860	U	ug/kg	860	870	U	ug/kg	870
Phenanthrene	4200	J	ug/kg	390	660		ug/kg	390	350	U	ug/kg	350	270	J	ug/kg	350
Anthracene	1000		ug/kg	390	86	J	ug/kg	390	350	U	ug/kg	350	33	J	ug/kg	350
Carbazole	860		ug/kg	390	140	J	ug/kg	390	350	U	ug/kg	350	53	J	ug/kg	350
Di-n-butylphthalate	3400	J	ug/kg	390	200	J	ug/kg	390	76	J	ug/kg	350	100	J	ug/kg	350
Fluoranthene	12000	J	ug/kg	390	1400		ug/kg	390	350	U	ug/kg	350	330	J	ug/kg	350
Pyrene	9300	J	ug/kg	390	1000		ug/kg	390	350	U	ug/kg	350	260	J	ug/kg	350
Butylbenzylphthalate	1100		ug/kg	390	180	J	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3,3-Dichlorobenzidine	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (a) anthracene	7600	J	ug/kg	390	560		ug/kg	390	350	U	ug/kg	350	100	J	ug/kg	350
Chrysene	5700	J	ug/kg	390	720		ug/kg	390	350	U	ug/kg	350	150	J	ug/kg	350
bis(2-Ethylhexyl) phthalate	880		ug/kg	390	440		ug/kg	390	22	J	ug/kg	350	48	J	ug/kg	350
Di-n-octylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (b) fluoranthene	13000	J	ug/kg	390	1400	J	ug/kg	390	22	J	ug/kg	350	210	J	ug/kg	350
Benzo (k) fluoranthene	2400	J	ug/kg	390	420	J	ug/kg	390	350	U	ug/kg	350	100	J	ug/kg	350
Benzo (a) pyrene	6200	J	ug/kg	390	660	J	ug/kg	390	350	U	ug/kg	350	140	J	ug/kg	350
Indeno (1,2,3-cd) pyrene	4100	J	ug/kg	390	390	J	ug/kg	390	350	U	ug/kg	350	67	J	ug/kg	350
Dibenzo (a,h) anthracene	1200		ug/kg	390	55	J	ug/kg	390	350	U	ug/kg	350	21	J	ug/kg	350
Benzo (g,h,i) perylene	4200	J	ug/kg	390	400		ug/kg	390	350	U	ug/kg	350	72	J	ug/kg	350

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26KD				A26J8				A26J9				A26JA			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	23	J	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
bis(2-Chloroethyl) ether	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2-Chlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
1,3-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
1,4-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
1,2-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2-Methylphenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
4-Methylphenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
N-Nitroso-di-n-propylamine	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Hexachloroethane	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Nitrobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Isophorone	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2-Nitrophenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4-Dimethylphenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4-Dichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
1,2,4-Trichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Naphthalene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
4-Chloroaniline	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Hexachlorobutadiene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
4-Chloro-3-methylphenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2-Methylnaphthalene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Hexachlorocyclopentadiene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4,6-Trichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4,5-Trichlorophenol	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
2-Chloronaphthalene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2-Nitroaniline	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
Dimethylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Acenaphthylene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,6-Dinitrotoluene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
3-Nitroaniline	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
Acenaphthene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4-Dinitrophenol	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
4-Nitrophenol	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
Dibenzofuran	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
2,4-Dinitrotoluene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Diethylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
4-Chlorophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Fluorene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26KD				A26J8				A26J9				A26JA			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	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	950	U	ug/kg	950	870	U	ug/kg	870
4,6-Dinitro-2-methylphenol	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
4-Bromophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Hexachlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Pentachlorophenol	870	U	ug/kg	870	860	U	ug/kg	860	950	U	ug/kg	950	870	U	ug/kg	870
Phenanthrene	360	U	ug/kg	360	56	J	ug/kg	350	65	J	ug/kg	390	360	U	ug/kg	360
Anthracene	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Carbazole	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Di-n-butylphthalate	360	U	ug/kg	360	480		ug/kg	350	130	J	ug/kg	390	48	J	ug/kg	360
Fluoranthene	360	U	ug/kg	360	160	J	ug/kg	350	230	J	ug/kg	390	46	J	ug/kg	360
Pyrene	360	U	ug/kg	360	140	J	ug/kg	350	170	J	ug/kg	390	39	J	ug/kg	360
Butylbenzylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
3,3-Dichlorobenzidine	360	UJ	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Benzo (a) anthracene	360	U	ug/kg	360	120	J	ug/kg	350	120	J	ug/kg	390	38	J	ug/kg	360
Chrysene	360	U	ug/kg	360	140	J	ug/kg	350	140	J	ug/kg	390	50	J	ug/kg	360
bis(2-Ethylhexyl) phthalate	360	U	ug/kg	360	350	U	ug/kg	350	34	J	ug/kg	390	360	U	ug/kg	360
Di-n-octylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	390	U	ug/kg	390	360	U	ug/kg	360
Benzo (b) fluoranthene	360	U	ug/kg	360	290	J	ug/kg	350	230	J	ug/kg	390	92	J	ug/kg	360
Benzo (k) fluoranthene	360	U	ug/kg	360	94	J	ug/kg	350	100	J	ug/kg	390	34	J	ug/kg	360
Benzo (a) pyrene	360	U	ug/kg	360	180	J	ug/kg	350	140	J	ug/kg	390	60	J	ug/kg	360
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	120	J	ug/kg	350	67	J	ug/kg	390	34	J	ug/kg	360
Dibenzo (a,h) anthracene	360	U	ug/kg	360	38	J	ug/kg	350	24	J	ug/kg	390	360	U	ug/kg	360
Benzo (g,h,i) perylene	360	U	ug/kg	360	130	J	ug/kg	350	75	J	ug/kg	390	36	J	ug/kg	360

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26JC				A26KC			
Site	CECIL3				CECIL3			
Locator	CF7SS19D				CF7SS20			
Collect Date:	09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	360	U	ug/kg	360	350	U	ug/kg	350
bis(2-Chloroethyl) ether	360	U	ug/kg	360	350	U	ug/kg	350
2-Chlorophenol	360	U	ug/kg	360	350	U	ug/kg	350
1,3-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350
1,4-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350
1,2-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350
2-Methylphenol	360	U	ug/kg	360	350	U	ug/kg	350
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	350	U	ug/kg	350
4-Methylphenol	360	U	ug/kg	360	350	U	ug/kg	350
N-Nitroso-di-n-propylamine	360	U	ug/kg	360	350	U	ug/kg	350
Hexachloroethane	360	U	ug/kg	360	350	U	ug/kg	350
Nitrobenzene	360	U	ug/kg	360	350	U	ug/kg	350
Isophorone	360	U	ug/kg	360	350	U	ug/kg	350
2-Nitrophenol	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dimethylphenol	360	U	ug/kg	360	350	U	ug/kg	350
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350
1,2,4-Trichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350
Naphthalene	360	U	ug/kg	360	350	U	ug/kg	350
4-Chloroaniline	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorobutadiene	360	U	ug/kg	360	350	U	ug/kg	350
4-Chloro-3-methylphenol	360	U	ug/kg	360	350	U	ug/kg	350
2-Methylnaphthalene	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorocyclopentadiene	360	U	ug/kg	360	350	U	ug/kg	350
2,4,6-Trichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350
2,4,5-Trichlorophenol	880	U	ug/kg	880	860	U	ug/kg	860
2-Chloronaphthalene	360	U	ug/kg	360	350	U	ug/kg	350
2-Nitroaniline	880	U	ug/kg	880	860	U	ug/kg	860
Dimethylphthalate	360	U	ug/kg	360	350	U	ug/kg	350
Acenaphthylene	360	U	ug/kg	360	350	U	ug/kg	350
2,6-Dinitrotoluene	360	U	ug/kg	360	350	U	ug/kg	350
3-Nitroaniline	880	U	ug/kg	880	860	U	ug/kg	860
Acenaphthene	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dinitrophenol	880	U	ug/kg	880	860	U	ug/kg	860
4-Nitrophenol	880	U	ug/kg	880	860	U	ug/kg	860
Dibenzofuran	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dinitrotoluene	360	U	ug/kg	360	350	U	ug/kg	350
Diethylphthalate	360	U	ug/kg	360	350	U	ug/kg	350
4-Chlorophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350
Fluorene	360	U	ug/kg	360	350	U	ug/kg	350

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8040
SURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A26JC				A26KC			
Site	CECIL3				CECIL3			
Locator	CF7SS19D				CF7SS20			
Collect Date:	09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	880	U	ug/kg	880	860	U	ug/kg	860
4,6-Dinitro-2-methylphenol	880	U	ug/kg	880	860	U	ug/kg	860
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	350	U	ug/kg	350
4-Bromophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350
Pentachlorophenol	880	U	ug/kg	880	860	U	ug/kg	860
Phenanthrene	360	U	ug/kg	360	350	U	ug/kg	350
Anthracene	360	U	ug/kg	360	350	U	ug/kg	350
Carbazole	360	U	ug/kg	360	350	U	ug/kg	350
Di-n-butylphthalate	50	J	ug/kg	360	350	U	ug/kg	350
Fluoranthene	32	J	ug/kg	360	36	J	ug/kg	350
Pyrene	28	J	ug/kg	360	38	J	ug/kg	350
Butylbenzylphthalate	360	U	ug/kg	360	350	U	ug/kg	350
3,3-Dichlorobenzidine	360	U	ug/kg	360	350	UJ	ug/kg	350
Benzo (a) anthracene	20	J	ug/kg	360	21	J	ug/kg	350
Chrysene	28	J	ug/kg	360	37	J	ug/kg	350
bis(2-Ethylhexyl) phthalate	360	U	ug/kg	360	350	U	ug/kg	350
Di-n-octylphthalate	360	U	ug/kg	360	140	J	ug/kg	350
Benzo (b) fluoranthene	53	J	ug/kg	360	46	J	ug/kg	350
Benzo (k) fluoranthene	25	J	ug/kg	360	26	J	ug/kg	350
Benzo (a) pyrene	33	J	ug/kg	360	31	J	ug/kg	350
Indeno (1,2,3-cd) pyrene	27	J	ug/kg	360	22	J	ug/kg	350
Dibenzo (a,h) anthracene	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (g,h,i) perylene	27	J	ug/kg	360	37	J	ug/kg	350

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26HM				A26HN				A26HP				A26HQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS1				CF7SS2				CF7SS3				CF7SS4			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
beta-BHC	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
delta-BHC	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Heptachlor	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Aldrin	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Heptachlor epoxide	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Endosulfan I	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Dieldrin	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
4,4-DDE	2.2	J	ug/kg	4	14	R	ug/kg	14	.52	J	ug/kg	4	2.5	J	ug/kg	4
Endrin	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
Endosulfan II	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
4,4-DDD	1.4	J	ug/kg	4	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
Endosulfan sulfate	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
4,4-DDT	13		ug/kg	4	14	R	ug/kg	14	1.2	J.	ug/kg	4	7.5		ug/kg	4
Methoxychlor	19	U	ug/kg	19	73	R	ug/kg	73	18	U	ug/kg	18	23	U	ug/kg	23
Endrin ketone	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
Endrin aldehyde	3.7	U	ug/kg	3.7	14	R	ug/kg	14	3.6	U	ug/kg	3.6	4.4	U	ug/kg	4.4
alpha-Chlordane	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
gamma-Chlordane	1.9	U	ug/kg	1.9	7.3	R	ug/kg	7.3	1.8	U	ug/kg	1.8	2.3	U	ug/kg	2.3
Toxaphene	190	U	ug/kg	190	730	R	ug/kg	730	180	U	ug/kg	180	230	U	ug/kg	230
Aroclor-1016	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44
Aroclor-1221	74	U	ug/kg	74	290	R	ug/kg	290	73	U	ug/kg	73	89	U	ug/kg	89
Aroclor-1232	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44
Aroclor-1242	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44
Aroclor-1248	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44
Aroclor-1254	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44
Aroclor-1260	37	U	ug/kg	37	140	R	ug/kg	140	36	U	ug/kg	36	44	U	ug/kg	44

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26HR				A26HT				A26HV				A26HW			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS5				CF7SS6				CF7SS7				CF7SS8			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
beta-BHC	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
delta-BHC	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
gamma-BHC (Lindane)	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
Heptachlor	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
Aldrin	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
Heptachlor epoxide	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
Endosulfan I	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
Dieldrin	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
4,4-DDE	3.5	J	ug/kg	4	.85	J	ug/kg	4	2	J	ug/kg	4	26		ug/kg	7
Endrin	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
Endosulfan II	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
4,4-DDD	3	UJ	ug/kg	4	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	5.8	J	ug/kg	7
Endosulfan sulfate	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
4,4-DDT	3	UJ	ug/kg	4	2.6	J	ug/kg	4	3.1	J	ug/kg	4	41		ug/kg	7
Methoxychlor	19	UJ	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19	37	U	ug/kg	37
Endrin ketone	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
Endrin aldehyde	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1
alpha-Chlordane	1.9	UJ	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7
gamma-Chlordane	.4	UJ	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	.51	J	ug/kg	4
Toxaphene	190	UJ	ug/kg	190	190	U	ug/kg	190	190	U	ug/kg	190	370	U	ug/kg	370
Aroclor-1016	36	UJ	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71
Aroclor-1221	73	UJ	ug/kg	73	74	U	ug/kg	74	75	U	ug/kg	75	140	U	ug/kg	140
Aroclor-1232	36	UJ	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71
Aroclor-1242	36	UJ	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71
Aroclor-1248	36	UJ	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71
Aroclor-1254	36	UJ	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71
Aroclor-1260	24	J	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	71	U	ug/kg	71

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26HX				A26J0				A26J2				A26J3			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS9				CF7SS10				CF7SS10D				CF7SS11			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
beta-BHC	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
delta-BHC	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Heptachlor	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Aldrin	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Heptachlor epoxide	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Endosulfan I	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Dieldrin	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
4,4-DDE	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	8.9		ug/kg	4
Endrin	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
Endosulfan II	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
4,4-DDD	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
Endosulfan sulfate	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
4,4-DDT	2	U	ug/kg	4	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	13		ug/kg	4
Methoxychlor	19	U	ug/kg	19	37	U	ug/kg	37	36	UJ	ug/kg	36	20	U	ug/kg	20
Endrin ketone	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
Endrin aldehyde	3.7	U	ug/kg	3.7	7.1	U	ug/kg	7.1	7	UJ	ug/kg	7	3.8	U	ug/kg	3.8
alpha-Chlordane	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
gamma-Chlordane	1.9	U	ug/kg	1.9	3.7	U	ug/kg	3.7	3.6	UJ	ug/kg	3.6	2	U	ug/kg	2
Toxaphene	190	U	ug/kg	190	370	U	ug/kg	370	360	UJ	ug/kg	360	200	U	ug/kg	200
Aroclor-1016	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38
Aroclor-1221	76	U	ug/kg	76	140	U	ug/kg	140	140	UJ	ug/kg	140	78	U	ug/kg	78
Aroclor-1232	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38
Aroclor-1242	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38
Aroclor-1248	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38
Aroclor-1254	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38
Aroclor-1260	37	U	ug/kg	37	71	U	ug/kg	71	70	UJ	ug/kg	70	38	U	ug/kg	38

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26J4				A26J5				A26J6				A26J7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
beta-BHC	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
delta-BHC	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Aldrin	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor epoxide	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Endosulfan I	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Dieldrin	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDE	19	UJ	ug/kg	19	2.1	J	ug/kg	8	6.2		ug/kg	4	3.6	U	ug/kg	3.6
Endrin	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endosulfan II	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDD	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endosulfan sulfate	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
4,4-DDT	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	5.1		ug/kg	4	3.6	U	ug/kg	3.6
Methoxychlor	100	UJ	ug/kg	100	41	U	ug/kg	41	18	U	ug/kg	18	18	U	ug/kg	18
Endrin ketone	19	UJ	ug/kg	19	2	U	ug/kg	8	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
Endrin aldehyde	19	UJ	ug/kg	19	7.9	U	ug/kg	7.9	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6
alpha-Chlordane	10	UJ	ug/kg	10	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-Chlordane	10	UJ	ug/kg	10	2	U	ug/kg	4	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Toxaphene	1000	UJ	ug/kg	1000	410	U	ug/kg	410	180	U	ug/kg	180	180	U	ug/kg	180
Aroclor-1016	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	390	UJ	ug/kg	390	160	U	ug/kg	160	72	U	ug/kg	72	73	U	ug/kg	73
Aroclor-1232	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1242	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1260	190	UJ	ug/kg	190	79	U	ug/kg	79	35	U	ug/kg	35	30	J	ug/kg	36

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26KD				A26J8				A26J9				A26JA			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
beta-BHC	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
delta-BHC	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Heptachlor	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Aldrin	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Heptachlor epoxide	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Endosulfan I	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Dieldrin	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	3.6	U	ug/kg	3.6
4,4-DDE	.26	J	ug/kg	4	7	U	ug/kg	7	1.1	J	ug/kg	8	1.2	J	ug/kg	4
Endrin	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	3.6	U	ug/kg	3.6
Endosulfan II	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	3.6	U	ug/kg	3.6
4,4-DDD	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	.74	J	ug/kg	4
Endosulfan sulfate	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	3.6	U	ug/kg	3.6
4,4-DDT	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	4		ug/kg	4
Methoxychlor	18	UJ	ug/kg	18	36	U	ug/kg	36	41	U	ug/kg	41	18	U	ug/kg	18
Endrin ketone	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	2	U	ug/kg	8	3.6	U	ug/kg	3.6
Endrin aldehyde	3.6	UJ	ug/kg	3.6	7	U	ug/kg	7	7.9	U	ug/kg	7.9	3.6	U	ug/kg	3.6
alpha-Chlordane	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
gamma-Chlordane	1.8	UJ	ug/kg	1.8	3.6	U	ug/kg	3.6	4.1	U	ug/kg	4.1	1.8	U	ug/kg	1.8
Toxaphene	180	UJ	ug/kg	180	360	U	ug/kg	360	410	U	ug/kg	410	180	U	ug/kg	180
Aroclor-1016	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36
Aroclor-1221	73	UJ	ug/kg	73	140	U	ug/kg	140	160	U	ug/kg	160	73	U	ug/kg	73
Aroclor-1232	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36
Aroclor-1242	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36
Aroclor-1248	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36
Aroclor-1254	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36
Aroclor-1260	36	UJ	ug/kg	36	70	U	ug/kg	70	79	U	ug/kg	79	36	U	ug/kg	36

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8041
SURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A26JC				A26KC			
Site	CECIL3				CECIL3			
Locator	CF7SS19D				CF7SS20			
Collect Date:	09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
beta-BHC	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
delta-BHC	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Heptachlor	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Aldrin	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Endosulfan I	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Dieldrin	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
4,4-DDE	.81	J	ug/kg	4	3.5	UJ	ug/kg	3.5
Endrin	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
Endosulfan II	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
4,4-DDD	.41	J	ug/kg	4	3.5	UJ	ug/kg	3.5
Endosulfan sulfate	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
4,4-DDT	2.4	J	ug/kg	4	3.5	UJ	ug/kg	3.5
Methoxychlor	19	U	ug/kg	19	18	UJ	ug/kg	18
Endrin ketone	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
Endrin aldehyde	3.6	U	ug/kg	3.6	3.5	UJ	ug/kg	3.5
alpha-Chlordane	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
gamma-Chlordane	1.9	U	ug/kg	1.9	1.8	UJ	ug/kg	1.8
Toxaphene	190	U	ug/kg	190	180	UJ	ug/kg	180
Aroclor-1016	36	U	ug/kg	36	35	UJ	ug/kg	35
Aroclor-1221	74	U	ug/kg	74	71	UJ	ug/kg	71
Aroclor-1232	36	U	ug/kg	36	35	UJ	ug/kg	35
Aroclor-1242	36	U	ug/kg	36	35	UJ	ug/kg	35
Aroclor-1248	36	U	ug/kg	36	35	UJ	ug/kg	35
Aroclor-1254	36	U	ug/kg	36	35	UJ	ug/kg	35
Aroclor-1260	36	U	ug/kg	36	35	UJ	ug/kg	35

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26HM				A26HN				A26HP				A26HQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS1				CF7SS2				CF7SS3				CF7SS4			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1120	J	mg/kg	40	1700	J	mg/kg	40	1890	J	mg/kg	40	1310	J	mg/kg	40
Antimony	4.7	U	mg/kg	12	4.5	U	mg/kg	12	4.6	U	mg/kg	12	5.7	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.3	J	mg/kg	20	1.1	U	mg/kg	20	1.3	U	mg/kg	20
Barium	7.4		mg/kg	40	42.5		mg/kg	40	177		mg/kg	40	22.1		mg/kg	40
Beryllium	.22	U	mg/kg	1	.21	U	mg/kg	1	.22	U	mg/kg	1	.27	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	1.8		mg/kg	1	.46		mg/kg	1	.27	U	mg/kg	1
Calcium	12200		mg/kg	1000	37900		mg/kg	1000	7440		mg/kg	1000	2220		mg/kg	1000
Chromium	1.9		mg/kg	2	35.4		mg/kg	2	6.7		mg/kg	2	2.3		mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.89	J	mg/kg	10	.33	J	mg/kg	10	.27	UJ	mg/kg	10
Copper	2.6		mg/kg	5	27.8		mg/kg	5	5.6		mg/kg	5	6.3		mg/kg	5
Iron	372	J	mg/kg	20	2500	J	mg/kg	20	1030	J	mg/kg	20	690	J	mg/kg	20
Lead	11.2		mg/kg	.6	104		mg/kg	.6	23.2		mg/kg	.6	25.3		mg/kg	.6
Magnesium	192		mg/kg	1000	2500		mg/kg	1000	246		mg/kg	1000	149		mg/kg	1000
Manganese	24.2	J	mg/kg	3	65.5	J	mg/kg	3	19.4	J	mg/kg	3	39.7	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.19		mg/kg	.1	.11	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	.94		mg/kg	8	9		mg/kg	8	1.5		mg/kg	8	1.8		mg/kg	8
Potassium	56.2	U	mg/kg	1000	198		mg/kg	1000	66		mg/kg	1000	99		mg/kg	1000
Selenium	.9	U	mg/kg	1	.85	U	mg/kg	1	.88	U	mg/kg	1	1.1	U	mg/kg	1
Silver	.22	U	mg/kg	2	.21	U	mg/kg	2	.22	U	mg/kg	2	.27	U	mg/kg	2
Sodium	178		mg/kg	1000	224		mg/kg	1000	207		mg/kg	1000	242		mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.6	UJ	mg/kg	2
Vanadium	2.8		mg/kg	10	4.7		mg/kg	10	2.9		mg/kg	10	3.2		mg/kg	10
Zinc	9.7	U	mg/kg	4	93.7		mg/kg	4	37.4		mg/kg	4	32.9		mg/kg	4
Cyanide	.54	UJ	mg/kg	.5	.51	UJ	mg/kg	.5	.51	UJ	mg/kg	.5	.64	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26HR				A26HT				A26HV				A26HW			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS5				CF7SS6				CF7SS7				CF7SS8			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2130	J	mg/kg	40	1260	J	mg/kg	40	1640	J	mg/kg	40	3170	J	mg/kg	40
Antimony	4.7	U	mg/kg	12	4.6	U	mg/kg	12	4.7	U	mg/kg	12	4.4	U	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	82.6		mg/kg	40	4.3		mg/kg	40	7.5		mg/kg	40	15		mg/kg	40
Beryllium	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.21	U	mg/kg	1
Cadmium	.39		mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.96		mg/kg	1
Calcium	6670		mg/kg	1000	1730		mg/kg	1000	24600		mg/kg	1000	8000		mg/kg	1000
Chromium	5.3		mg/kg	2	1.8		mg/kg	2	2.7		mg/kg	2	5.4		mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	1.1	J	mg/kg	10
Copper	13.6		mg/kg	5	1.3		mg/kg	5	2.4		mg/kg	5	9		mg/kg	5
Iron	587	J	mg/kg	20	466	J	mg/kg	20	631	J	mg/kg	20	2800	J	mg/kg	20
Lead	15.2		mg/kg	.6	7.2		mg/kg	.6	12.1		mg/kg	.6	64.7		mg/kg	.6
Magnesium	231		mg/kg	1000	83.4		mg/kg	1000	366		mg/kg	1000	986		mg/kg	1000
Manganese	12.9	J	mg/kg	3	10.9	J	mg/kg	3	29.6	J	mg/kg	3	88.3	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.1	U	mg/kg	.1	.11	U	mg/kg	.1	.1	U	mg/kg	.1
Nickel	.8		mg/kg	8	.8		mg/kg	8	.79		mg/kg	8	1.8		mg/kg	8
Potassium	54.4	U	mg/kg	1000	41.7	U	mg/kg	1000	80.3		mg/kg	1000	672		mg/kg	1000
Selenium	.89	U	mg/kg	1	.87	U	mg/kg	1	.9	U	mg/kg	1	.84	U	mg/kg	1
Silver	.22	U	mg/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2	.21	U	mg/kg	2
Sodium	196		mg/kg	1000	190		mg/kg	1000	221		mg/kg	1000	203		mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	2.5		mg/kg	10	1.6		mg/kg	10	2.6		mg/kg	10	7.4		mg/kg	10
Zinc	43.3		mg/kg	4	11.9	U	mg/kg	4	17.6		mg/kg	4	48.8		mg/kg	4
Cyanide	.53	UJ	mg/kg	.5	.53	UJ	mg/kg	.5	.53	UJ	mg/kg	.5	.52	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 5 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26HX				A26J0				A26J2				A26J3			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS9				CF7SS10				CF7SS10D				CF7SS11			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2040	J	mg/kg	40	2420	J	mg/kg	40	2590	J	mg/kg	40	2650	J	mg/kg	40
Antimony	4.7	U	mg/kg	12	4.6	U	mg/kg	12	4.4	U	mg/kg	12	4.8	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	3.4		mg/kg	40	220		mg/kg	40	122		mg/kg	40	20		mg/kg	40
Beryllium	.22	U	mg/kg	1	.22	U	mg/kg	1	.21	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	1.2		mg/kg	1	1		mg/kg	1	.52		mg/kg	1
Calcium	7660		mg/kg	1000	10400		mg/kg	1000	16000		mg/kg	1000	15800		mg/kg	1000
Chromium	2.4		mg/kg	2	6.4		mg/kg	2	6.4		mg/kg	2	8.3		mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.51	J	mg/kg	10	.52	J	mg/kg	10
Copper	1.9		mg/kg	5	4.4		mg/kg	5	4.9		mg/kg	5	6.2		mg/kg	5
Iron	375	J	mg/kg	20	1080	J	mg/kg	20	2090	J	mg/kg	20	2140	J	mg/kg	20
Lead	8.3		mg/kg	.6	29.6		mg/kg	.6	37.2		mg/kg	.6	40.7		mg/kg	.6
Magnesium	130		mg/kg	1000	941		mg/kg	1000	833		mg/kg	1000	654		mg/kg	1000
Manganese	11.3	J	mg/kg	3	57.9	J	mg/kg	3	68.2	J	mg/kg	3	118	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.88		mg/kg	8	1.9		mg/kg	8	4.1		mg/kg	8	1.5		mg/kg	8
Potassium	26.7	U	mg/kg	1000	226		mg/kg	1000	383		mg/kg	1000	268		mg/kg	1000
Selenium	.9	U	mg/kg	1	.87	U	mg/kg	1	.84	U	mg/kg	1	.91	U	mg/kg	1
Silver	.22	U	mg/kg	2	.22	U	mg/kg	2	.21	U	mg/kg	2	.23	U	mg/kg	2
Sodium	210		mg/kg	1000	233		mg/kg	1000	174		mg/kg	1000	224		mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	1.9		mg/kg	10	4.1		mg/kg	10	6.9		mg/kg	10	6.1		mg/kg	10
Zinc	7.7	U	mg/kg	4	49		mg/kg	4	27		mg/kg	4	56.6		mg/kg	4
Cyanide	.55	UJ	mg/kg	.5	.52	UJ	mg/kg	.5	.51	UJ	mg/kg	.5	.56	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26J4				A26J5				A26J6				A26J7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1590	J	mg/kg	40	1570	J	mg/kg	40	1590	J	mg/kg	40	1810	J	mg/kg	40
Antimony	37.5		mg/kg	12	5	U	mg/kg	12	4.5	U	mg/kg	12	4.5	U	mg/kg	12
Arsenic	7.5		mg/kg	20	1.2	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	35.1		mg/kg	40	32.5		mg/kg	40	4		mg/kg	40	4.9		mg/kg	40
Beryllium	.23	U	mg/kg	1	.24	U	mg/kg	1	.21	U	mg/kg	1	.21	U	mg/kg	1
Cadmium	14.5		mg/kg	1	1.2		mg/kg	1	.21	U	mg/kg	1	.3		mg/kg	1
Calcium	44700		mg/kg	1000	5130		mg/kg	1000	1880		mg/kg	1000	40100		mg/kg	1000
Chromium	18.2		mg/kg	2	4.4		mg/kg	2	2.1		mg/kg	2	4.6		mg/kg	2
Cobalt	2.6	J	mg/kg	10	.24	UJ	mg/kg	10	.21	UJ	mg/kg	10	.21	UJ	mg/kg	10
Copper	89.7		mg/kg	5	4.7		mg/kg	5	1.8		mg/kg	5	2.6		mg/kg	5
Iron	12100	J	mg/kg	20	927	J	mg/kg	20	655	J	mg/kg	20	630	J	mg/kg	20
Lead	178000		mg/kg	30	21.3		mg/kg	.6	10.1		mg/kg	.6	9.1		mg/kg	.6
Magnesium	1160		mg/kg	1000	139		mg/kg	1000	71.1	U	mg/kg	1000	408		mg/kg	1000
Manganese	90	J	mg/kg	3	24.7	J	mg/kg	3	15.6	J	mg/kg	3	13.4	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	10		mg/kg	8	.84		mg/kg	8	.65		mg/kg	8	1.2		mg/kg	8
Potassium	238		mg/kg	1000	42.7	U	mg/kg	1000	32.3	U	mg/kg	1000	53.4	U	mg/kg	1000
Selenium	.92	U	mg/kg	1	.94	U	mg/kg	1	.86	U	mg/kg	1	.85	U	mg/kg	1
Silver	2.4		mg/kg	2	.24	U	mg/kg	2	.21	U	mg/kg	2	.21	U	mg/kg	2
Sodium	251		mg/kg	1000	183		mg/kg	1000	202		mg/kg	1000	217		mg/kg	1000
Thallium	5.2	J	mg/kg	2	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	4.4		mg/kg	10	3.2		mg/kg	10	2.5		mg/kg	10	2.2		mg/kg	10
Zinc	107		mg/kg	4	32.3		mg/kg	4	18.2		mg/kg	4	16.4		mg/kg	4
Cyanide	.57	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.52	UJ	mg/kg	.5	.52	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26KD				A26J8				A26J9				A26JA			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1720		mg/kg	40	2450	J	mg/kg	40	2490	J	mg/kg	40	1190	J	mg/kg	40
Antimony	.43	U	mg/kg	12	4.5	U	mg/kg	12	5	U	mg/kg	12	4.6	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.2	U	mg/kg	20	1.1	U	mg/kg	20
Barium	6.2		mg/kg	40	33.3		mg/kg	40	22.8		mg/kg	40	10.2		mg/kg	40
Beryllium	.22	U	mg/kg	1	.22	U	mg/kg	1	.24	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	.29		mg/kg	1	1.7		mg/kg	1	.22	U	mg/kg	1
Calcium	1080	J	mg/kg	1000	10700		mg/kg	1000	3100		mg/kg	1000	1040		mg/kg	1000
Chromium	2.7	J	mg/kg	2	2		mg/kg	2	4.2		mg/kg	2	1.6		mg/kg	2
Cobalt	.22	U	mg/kg	10	.22	UJ	mg/kg	10	.43	J	mg/kg	10	.22	UJ	mg/kg	10
Copper	.51		mg/kg	5	1.7		mg/kg	5	8.1		mg/kg	5	1		mg/kg	5
Iron	728		mg/kg	20	538	J	mg/kg	20	1790	J	mg/kg	20	593	J	mg/kg	20
Lead	4.5	J	mg/kg	.6	13.4		mg/kg	.6	32.1		mg/kg	.6	10		mg/kg	.6
Magnesium	82		mg/kg	1000	1150		mg/kg	1000	419		mg/kg	1000	95.2		mg/kg	1000
Manganese	22.2		mg/kg	3	81.9	J	mg/kg	3	35.9	J	mg/kg	3	40.7	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.1	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.77	U	mg/kg	8	.68		mg/kg	8	1.8		mg/kg	8	1.2		mg/kg	8
Potassium	25.8		mg/kg	1000	214		mg/kg	1000	189		mg/kg	1000	41.2	U	mg/kg	1000
Selenium	.86	U	mg/kg	1	.86	U	mg/kg	1	.95	U	mg/kg	1	.87	U	mg/kg	1
Silver	.22	U	mg/kg	2	.22	U	mg/kg	2	.24	U	mg/kg	2	.22	U	mg/kg	2
Sodium	199	U	mg/kg	1000	230		mg/kg	1000	193		mg/kg	1000	176		mg/kg	1000
Thallium	1.3	U	mg/kg	2	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	2.5		mg/kg	10	4		mg/kg	10	6.1		mg/kg	10	2.2		mg/kg	10
Zinc	3.8	UJ	mg/kg	4	11.7	U	mg/kg	4	45.4		mg/kg	4	9.1	U	mg/kg	4
Cyanide	.52	U	mg/kg	.5	.52	UJ	mg/kg	.5	.56	UJ	mg/kg	.5	.51	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8042
SURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A26JC				A26KC			
Site	CECIL3				CECIL3			
Locator	CF7SS19D				CF7SS20			
Collect Date:	09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	1290	J	mg/kg	40	1890		mg/kg	40
Antimony	4.6	U	mg/kg	12	.43	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	8.1		mg/kg	40	12		mg/kg	40
Beryllium	.22	U	mg/kg	1	.21	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	.21	U	mg/kg	1
Calcium	751		mg/kg	1000	3670	J	mg/kg	1000
Chromium	1.7		mg/kg	2	2.6	J	mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.24	U	mg/kg	10
Copper	1.2		mg/kg	5	1.5		mg/kg	5
Iron	602	J	mg/kg	20	871		mg/kg	20
Lead	9.2		mg/kg	.6	11.3	J	mg/kg	.6
Magnesium	69.9	U	mg/kg	1000	160		mg/kg	1000
Manganese	37.4	J	mg/kg	3	56.7		mg/kg	3
Mercury	.1	U	mg/kg	.1	.1	U	mg/kg	.1
Nickel	3		mg/kg	8	1.4	U	mg/kg	8
Potassium	37.8	U	mg/kg	1000	47.1		mg/kg	1000
Selenium	.87	U	mg/kg	1	.86	U	mg/kg	1
Silver	.22	U	mg/kg	2	.21	U	mg/kg	2
Sodium	176		mg/kg	1000	191	U	mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	U	mg/kg	2
Vanadium	2.4		mg/kg	10	3.3		mg/kg	10
Zinc	8.2	U	mg/kg	4	8.1	UJ	mg/kg	4
Cyanide	.54	UJ	mg/kg	.5	.51	U	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26L1			A26L2			A26L3			A26L4		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF7SS1			CF7SS2			CF7SS3			CF7SS4		
Collect Date:	09-JAN-95			09-JAN-95			09-JAN-95			09-JAN-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	170	mg/kg	11	450	mg/kg	54	80	mg/kg	11	130	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26L5			A26L6			A26L7			A26L8		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF7SS5			CF7SS6			CF7SS7			CF7SS8		
Collect Date:	09-JAN-95			09-JAN-95			09-JAN-95			09-JAN-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	530	mg/kg	55	180	mg/kg	11	200	mg/kg	11	300	mg/kg	21

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26L9			A26LA			A26LC			A26LD		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF7SS9			CF7SS10			CF7SS10D			CF7SS11		
Collect Date:	09-JAN-95			09-JAN-95			09-JAN-95			09-JAN-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	77	mg/kg	11	430	mg/kg	54	790	mg/kg	55	200	mg/kg	12

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26LE				A26LF				A26LG				A26LH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS12				CF7SS13				CF7SS14				CF7SS15			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	1400		mg/kg	100	430		mg/kg	52	13		mg/kg	11	20		mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26LQ				A26LJ				A26LK				A26LL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS16				CF7SS17				CF7SS18				CF7SS19			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	33	J	mg/kg	13	120		mg/kg	11	200		mg/kg	10	160		mg/kg	13

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7395
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A26LM			A26LP		
Site	CECIL3			CECIL3		
Locator	CF7SS19D			CF7SS20		
Collect Date:	09-JAN-95			09-JAN-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Total petroleum hydrocarbons	120	mg/kg	12	11 U	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 -- OPERABLE UNIT 3 / SITE 7 -- SURFACE SOIL
LEAD (NOT VALIDATED) -- REQ. NO. 7694

Lab Sample Number:	C400L			C400V			C400R			C400T		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF7SS21			CF7SS22			CF7SS23			CF7SS24		
Collect Date:	07-MAY-96			07-MAY-96			07-MAY-96			07-MAY-96		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Lead												
Lead	204	mg/kg	.6	49	mg/kg	.6	202	mg/kg	.6	128	mg/kg	.6

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SURFACE SOIL
LEAD (NOT VALIDATED) -- REQ. NO. 7694

Lab Sample Number:	C400W			C400X			C4010		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF7SS25			CF7SS26			CF7SB18		
Collect Date:	07-MAY-96			07-MAY-96			07-MAY-96		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Lead									
Lead	11.7	mg/kg	.6	210	mg/kg	.6	7.1	mg/kg	.6

U = NOT DETECTED J = ESTIMATED VALUE
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Section 1.2

Site 7, Confirmatory Subsurface Soil Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7382
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
Methylene chloride	5	J	ug/kg	12	5	J	ug/kg	12	6	J	ug/kg	14	6	U	ug/kg	6
Acetone	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	14	U	ug/kg	14
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	14	U	ug/kg	14	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7382
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	4	J	ug/kg	12
Acetone	10000	U	ug/kg	10000	23	U	ug/kg	23	12	U	ug/kg	12	22	U	ug/kg	22
Carbon disulfide	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	2	J	ug/kg	12
1,1,1-Trichloroethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	10000	U	ug/kg	10000	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	5000	U	ug/kg	5000	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	5000	U	ug/kg	5000	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
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7382
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	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	2	J	ug/kg	12	6	U	ug/kg	6	3	J	ug/kg	12	3	J	ug/kg	12
Acetone	12	U	ug/kg	12	76	U	ug/kg	76	92	U	ug/kg	92	21	U	ug/kg	21
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	18		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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7382
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Acetone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
2-Butanone	12	U	ug/kg	12	3	J	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	710	J	ug/kg	15
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	1500	U	ug/kg	1500
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	740	U	ug/kg	740

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7382
SUBSURFACE SOIL -- VOLATILES

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
Methylene chloride	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	11	U	ug/kg	11	12	U	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
1,1-Dichloroethene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	11	U	ug/kg	11	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
Carbon tetrachloride	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	12	U	ug/kg	12	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	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
Toluene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
bis(2-Chloroethyl) ether	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2-Chlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
1,3-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
1,4-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
1,2-Dichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2-Methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Hexachloroethane	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Nitrobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Isophorone	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2-Nitrophenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4-Dimethylphenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4-Dichlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
1,2,4-Trichlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Naphthalene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Chloroaniline	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Hexachlorobutadiene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Chloro-3-methylphenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2-Methylnaphthalene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Hexachlorocyclopentadiene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4,6-Trichlorophenol	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4,5-Trichlorophenol	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
2-Chloronaphthalene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2-Nitroaniline	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
Dimethylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Acenaphthylene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,6-Dinitrotoluene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
3-Nitroaniline	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
Acenaphthene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4-Dinitrophenol	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
4-Nitrophenol	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
Dibenzofuran	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
2,4-Dinitrotoluene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Diethylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Chlorophenyl-phenylether	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Fluorene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Nitroaniline	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
4,6-Dinitro-2-methylphenol	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
4-Bromophenyl-phenylether	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Hexachlorobenzene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Pentachlorophenol	950	U	ug/kg	950	970	U	ug/kg	970	1200	U	ug/kg	1200	940	U	ug/kg	940
Phenanthrene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Anthracene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Carbazole	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Di-n-butylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Pyrene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Butylbenzylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
3,3-Dichlorobenzidine	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Benzo (a) anthracene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Chrysene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	190	J	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	1000		ug/kg	380
Di-n-octylphthalate	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Benzo (b) fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Benzo (k) fluoranthene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Benzo (a) pyrene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Dibenzo (a,h) anthracene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
Benzo (g,h,i) perylene	390	U	ug/kg	390	400	U	ug/kg	400	480	U	ug/kg	480	390	U	ug/kg	390
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2.5	R	ug/kg	2.5	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Dieldrin	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDE	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endrin	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endosulfan II	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDD	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endosulfan sulfate	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDT	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	20	U	ug/kg	20	25	UJ	ug/kg	25	20	U	ug/kg	20
Endrin ketone	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endrin aldehyde	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	250	UJ	ug/kg	250	200	U	ug/kg	200
Aroclor-1016	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1221	80	UJ	ug/kg	80	80	U	ug/kg	80	97	UJ	ug/kg	97	79	U	ug/kg	79
Aroclor-1232	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1242	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1248	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1254	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1260	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
CLP METALS AND CYANIDE																
Aluminum	6360		mg/kg	40	4100		mg/kg	40	2740		mg/kg	40	2100		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.48	UJ	mg/kg	12	.58	UJ	mg/kg	12	.46	UJ	mg/kg	12
Arsenic	.71	UJ	mg/kg	20	.72	UJ	mg/kg	20	.87	UJ	mg/kg	20	.69	U	mg/kg	20
Barium	6.1		mg/kg	40	3.8		mg/kg	40	3.8		mg/kg	40	3.7		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.29	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.29	U	mg/kg	1	.23	U	mg/kg	1

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Calcium	352		mg/kg	1000	506		mg/kg	1000	229	U	mg/kg	1000	187	U	mg/kg	1000
Chromium	12.5		mg/kg	2	6	U	mg/kg	2	4.2	U	mg/kg	2	4.5	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.48	U	mg/kg	10	.58	U	mg/kg	10	.46	U	mg/kg	10
Copper	1.1	U	mg/kg	5	.51	U	mg/kg	5	1.1	U	mg/kg	5	.83	U	mg/kg	5
Iron	2760		mg/kg	20	236		mg/kg	20	412		mg/kg	20	403		mg/kg	20
Lead	4.2		mg/kg	.6	4.9		mg/kg	.6	2.5		mg/kg	.6	2.6		mg/kg	.6
Magnesium	98.6		mg/kg	1000	63		mg/kg	1000	75.7		mg/kg	1000	66.1		mg/kg	1000
Manganese	2.7	U	mg/kg	3	1.3	U	mg/kg	3	2.5	U	mg/kg	3	2.8	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.14	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.2		mg/kg	8	1.2		mg/kg	8	.94		mg/kg	8	1.1		mg/kg	8
Potassium	53.8	J	mg/kg	1000	32.8	UJ	mg/kg	1000	33.8	UJ	mg/kg	1000	33	UJ	mg/kg	1000
Selenium	.95	U	mg/kg	1	1.1		mg/kg	1	1.3		mg/kg	1	.92	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.29	U	mg/kg	2	.23	U	mg/kg	2
Sodium	180	U	mg/kg	1000	189	U	mg/kg	1000	172	U	mg/kg	1000	163	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.7	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	7.1		mg/kg	10	2.6		mg/kg	10	2.9		mg/kg	10	2.2		mg/kg	10
Zinc	3.7	UJ	mg/kg	4	2.7	UJ	mg/kg	4	4.8	UJ	mg/kg	4	8.3	UJ	mg/kg	4
Cyanide	.56	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.7	UJ	mg/kg	.5	.55	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethyl) ether	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2-Chlorophenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
1,3-Dichlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
1,4-Dichlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
1,2-Dichlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylphenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
4-Methylphenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Hexachloroethane	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Nitrobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Isophorone	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitrophenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dimethylphenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dichlorophenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
1,2,4-Trichlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Naphthalene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloroaniline	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobutadiene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloro-3-methylphenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylnaphthalene	500	J	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorocyclopentadiene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4,6-Trichlorophenol	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4,5-Trichlorophenol	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
2-Chloronaphthalene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitroaniline	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
Dimethylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Acenaphthylene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,6-Dinitrotoluene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
3-Nitroaniline	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
Acenaphthene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrophenol	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
4-Nitrophenol	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
Dibenzofuran	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrotoluene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Diethylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
4-Chlorophenyl-phenylether	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Fluorene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
4,6-Dinitro-2-methylphenol	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
N-Nitrosodiphenylamine (1)	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
4-Bromophenyl-phenylether	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobenzene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Pentachlorophenol	9600	U	ug/kg	9600	930	U	ug/kg	930	940	U	ug/kg	940	950	U	ug/kg	950
Phenanthrene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Carbazole	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-butylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Butylbenzylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
3,3-Dichlorobenzidine	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Chrysene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	4000	U	ug/kg	4000	230	J	ug/kg	380	100	J	ug/kg	390	390	U	ug/kg	390
Di-n-octylphthalate	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (b) fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (k) fluoranthene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Dibenzo (a,h) anthracene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (g,h,i) perylene	4000	U	ug/kg	4000	380	U	ug/kg	380	390	U	ug/kg	390	390	U	ug/kg	390
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	2	J	ug/kg	4	.53	J	ug/kg	4	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDE	.43	J	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan II	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDD	2.9	UJ	ug/kg	2.9	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan sulfate	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDT	9.8	J	ug/kg	4	2.6	J	ug/kg	4	1.1	J	ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	1.5	J	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin aldehyde	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1221	81	UJ	ug/kg	81	78	U	ug/kg	78	79	U	ug/kg	79	79	U	ug/kg	79
Aroclor-1232	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1242	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1248	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1254	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1260	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
CLP METALS AND CYANIDE																
Aluminum	382		mg/kg	40	765		mg/kg	40	370		mg/kg	40	392		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.47	UJ	mg/kg	12	.46	UJ	mg/kg	12	.47	UJ	mg/kg	12
Arsenic	.72	UJ	mg/kg	20	.7	UJ	mg/kg	20	.69	UJ	mg/kg	20	.7	UJ	mg/kg	20
Barium	1.2	U	mg/kg	40	1.4	U	mg/kg	40	1.1	U	mg/kg	40	.91	U	mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Calcium	114	U	mg/kg	1000	80.4	U	mg/kg	1000	227	U	mg/kg	1000	99.1	U	mg/kg	1000
Chromium	1.8	U	mg/kg	2	5.2	U	mg/kg	2	2.2	U	mg/kg	2	2.5	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.47	U	mg/kg	10	.46	U	mg/kg	10	.47	U	mg/kg	10
Copper	1	U	mg/kg	5	.49	U	mg/kg	5	.51	U	mg/kg	5	.47	U	mg/kg	5
Iron	81.6		mg/kg	20	382		mg/kg	20	110		mg/kg	20	84.3		mg/kg	20
Lead	1.1	J	mg/kg	.6	1.1	J	mg/kg	.6	1.1	J	mg/kg	.6	.77	J	mg/kg	.6
Magnesium	21.8	U	mg/kg	1000	24.9	U	mg/kg	1000	18.9	U	mg/kg	1000	18.9	U	mg/kg	1000
Manganese	1.8	U	mg/kg	3	1.4	U	mg/kg	3	1.4	U	mg/kg	3	1.3	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	1.6	J	mg/kg	8	.75		mg/kg	8	.46	U	mg/kg	8	.47	U	mg/kg	8
Potassium	12	UJ	mg/kg	1000	11.8	UJ	mg/kg	1000	10.4	UJ	mg/kg	1000	12.6	UJ	mg/kg	1000
Selenium	.97	U	mg/kg	1	.93	U	mg/kg	1	.92	U	mg/kg	1	.94	U	mg/kg	1
Silver	.24	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2
Sodium	148	U	mg/kg	1000	138	U	mg/kg	1000	156	U	mg/kg	1000	155	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	.72	J	mg/kg	10	1.2		mg/kg	10	.54		mg/kg	10	.63		mg/kg	10
Zinc	4.4	UJ	mg/kg	4	2.8	UJ	mg/kg	4	3.4	UJ	mg/kg	4	3.1	UJ	mg/kg	4
Cyanide	.59	UJ	mg/kg	.5	.54	UJ	mg/kg	.5	.55	UJ	mg/kg	.5	.58	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethyl) ether	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Chlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,3-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,4-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,2-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachloroethane	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Nitrobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Isophorone	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitrophenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dimethylphenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
1,2,4-Trichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Naphthalene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloroaniline	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobutadiene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chloro-3-methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Methylnaphthalene	390	U	ug/kg	390	92	J	ug/kg	390	76	J	ug/kg	390	390	U	ug/kg	390
Hexachlorocyclopentadiene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4,6-Trichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4,5-Trichlorophenol	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
2-Chloronaphthalene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2-Nitroaniline	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
Dimethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Acenaphthylene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,6-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
3-Nitroaniline	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
Acenaphthene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrophenol	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
4-Nitrophenol	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
Dibenzofuran	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
2,4-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Diethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Chlorophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Fluorene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
4,6-Dinitro-2-methylphenol	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
4-Bromophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Hexachlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Pentachlorophenol	940	U	ug/kg	940	950	U	ug/kg	950	960	U	ug/kg	960	960	U	ug/kg	960
Phenanthrene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Anthracene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Carbazole	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Di-n-butylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Pyrene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Butylbenzylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
3,3-Dichlorobenzidine	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) anthracene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Chrysene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	390	U	ug/kg	390	130	J	ug/kg	390	190	J	ug/kg	390	160	J	ug/kg	390
Di-n-octylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (b) fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (k) fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (a) pyrene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Dibenzo (a,h) anthracene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
Benzo (g,h,i) perylene	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390	390	U	ug/kg	390
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	10	U	ug/kg	10	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	J	ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDE	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan II	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDD	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan sulfate	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDT	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	31		ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin aldehyde	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1221	79	UJ	ug/kg	79	80	U	ug/kg	80	80	U	ug/kg	80	79	U	ug/kg	79
Aroclor-1232	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1242	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1248	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1254	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1260	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
CLP METALS AND CYANIDE																
Aluminum	281		mg/kg	40	13000		mg/kg	40	14600		mg/kg	40	8070		mg/kg	40
Antimony	.47	UJ	mg/kg	12	.47	UJ	mg/kg	12	.47	UJ	mg/kg	12	.48	UJ	mg/kg	12
Arsenic	.71	UJ	mg/kg	20	1.7	J	mg/kg	20	.71	UJ	mg/kg	20	1	J	mg/kg	20
Barium	.96	U	mg/kg	40	11.8		mg/kg	40	13.5		mg/kg	40	7.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Calcium	63.6	U	mg/kg	1000	587		mg/kg	1000	594		mg/kg	1000	414		mg/kg	1000
Chromium	1.4	U	mg/kg	2	15.9		mg/kg	2	14.7		mg/kg	2	9.4		mg/kg	2
Cobalt	.47	U	mg/kg	10	.47	U	mg/kg	10	.66		mg/kg	10	.48	U	mg/kg	10
Copper	1.6	U	mg/kg	5	1	U	mg/kg	5	.66	U	mg/kg	5	1.2	U	mg/kg	5
Iron	80.1		mg/kg	20	3560		mg/kg	20	2000		mg/kg	20	4410		mg/kg	20
Lead	1	J	mg/kg	.6	12.5		mg/kg	.6	13		mg/kg	.6	8.1		mg/kg	.6
Magnesium	11.7	U	mg/kg	1000	151		mg/kg	1000	197		mg/kg	1000	112		mg/kg	1000
Manganese	1.5	U	mg/kg	3	3.2	U	mg/kg	3	4.8	U	mg/kg	3	3.6	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.76		mg/kg	8	3.8		mg/kg	8	4		mg/kg	8	7.6		mg/kg	8
Potassium	8.5	UJ	mg/kg	1000	166	J	mg/kg	1000	192	J	mg/kg	1000	110	J	mg/kg	1000
Selenium	.95	U	mg/kg	1	.95	U	mg/kg	1	1	J	mg/kg	1	.96	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2
Sodium	163	U	mg/kg	1000	218	U	mg/kg	1000	228	U	mg/kg	1000	199	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	.49		mg/kg	10	18.5		mg/kg	10	12.8		mg/kg	10	9.1		mg/kg	10
Zinc	2.3	UJ	mg/kg	4	3.7	UJ	mg/kg	4	4.5	UJ	mg/kg	4	5.3	UJ	mg/kg	4
Cyanide	.57	UJ	mg/kg	.5	.56	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.56	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
bis(2-Chloroethyl) ether	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2-Chlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
1,3-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
1,4-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
1,2-Dichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2-Methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
4-Methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
N-Nitroso-di-n-propylamine	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Hexachloroethane	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Nitrobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Isophorone	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2-Nitrophenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4-Dimethylphenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
bis(2-Chloroethoxy) methane	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4-Dichlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
1,2,4-Trichlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Naphthalene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
4-Chloroaniline	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Hexachlorobutadiene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
4-Chloro-3-methylphenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2-Methylnaphthalene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Hexachlorocyclopentadiene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4,6-Trichlorophenol	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4,5-Trichlorophenol	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
2-Chloronaphthalene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2-Nitroaniline	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
Dimethylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Acenaphthylene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,6-Dinitrotoluene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
3-Nitroaniline	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
Acenaphthene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4-Dinitrophenol	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
4-Nitrophenol	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
Dibenzofuran	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
2,4-Dinitrotoluene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Diethylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
4-Chlorophenyl-phenylether	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Fluorene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
4,6-Dinitro-2-methylphenol	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
N-Nitrosodiphenylamine (1)	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
4-Bromophenyl-phenylether	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Hexachlorobenzene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Pentachlorophenol	960	U	ug/kg	960	960	U	ug/kg	960	950	U	ug/kg	950	3800	U	ug/kg	3800
Phenanthrene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Anthracene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Carbazole	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Di-n-butylphthalate	400	U	ug/kg	400	5900	J	ug/kg	400	5000	J	ug/kg	390	2600	U	ug/kg	2600
Fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Pyrene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Butylbenzylphthalate	400	U	ug/kg	400	50	J	ug/kg	400	210	J	ug/kg	390	690	J	ug/kg	1600
3,3-Dichlorobenzidine	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Benzo (a) anthracene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Chrysene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
bis(2-Ethylhexyl) phthalate	150	J	ug/kg	390	220	J	ug/kg	400	150	J	ug/kg	390	1600	U	ug/kg	1600
Di-n-octylphthalate	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Benzo (b) fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Benzo (k) fluoranthene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Benzo (a) pyrene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Dibenzo (a,h) anthracene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
Benzo (g,h,i) perylene	400	U	ug/kg	400	400	U	ug/kg	400	390	U	ug/kg	390	1600	U	ug/kg	1600
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
beta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
delta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-BHC (Lindane)	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Heptachlor	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	UJ	ug/kg	2
Heptachlor epoxide	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Endosulfan I	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Dieldrin	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDE	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endrin	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endosulfan II	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDD	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endosulfan sulfate	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDT	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Methoxychlor	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	20	UJ	ug/kg	20
Endrin ketone	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endrin aldehyde	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
alpha-Chlordane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-Chlordane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Toxaphene	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	UJ	ug/kg	200
Aroclor-1016	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1221	81	U	ug/kg	81	80	U	ug/kg	80	80	U	ug/kg	80	80	UJ	ug/kg	80
Aroclor-1232	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1242	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1248	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1254	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1260	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
CLP METALS AND CYANIDE																
Aluminum	9020		mg/kg	40	9050		mg/kg	40	8280		mg/kg	40	5040		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.49	UJ	mg/kg	12	.48	UJ	mg/kg	12	.47	UJ	mg/kg	12
Arsenic	1.3	J	mg/kg	20	.73	UJ	mg/kg	20	.72	UJ	mg/kg	20	.7	UJ	mg/kg	20
Barium	6.2		mg/kg	40	6.3		mg/kg	40	5.5		mg/kg	40	7.5		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1
Calcium	733		mg/kg	1000	299		mg/kg	1000	433		mg/kg	1000	469		mg/kg	1000
Chromium	12.6		mg/kg	2	11.1		mg/kg	2	15.7		mg/kg	2	6.3	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.49	U	mg/kg	10	.48	U	mg/kg	10	.47	U	mg/kg	10
Copper	1.2	U	mg/kg	5	1	U	mg/kg	5	1.5	U	mg/kg	5	2.5	U	mg/kg	5
Iron	4360		mg/kg	20	2560		mg/kg	20	4650		mg/kg	20	456		mg/kg	20
Lead	6.3		mg/kg	.6	7		mg/kg	.6	3.2		mg/kg	.6	5.1		mg/kg	.6
Magnesium	83.7		mg/kg	1000	113		mg/kg	1000	134		mg/kg	1000	84.3		mg/kg	1000
Manganese	2.2	U	mg/kg	3	2.7	U	mg/kg	3	3.3	U	mg/kg	3	3.8	U	mg/kg	3
Mercury	.13	U	mg/kg	.1	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.1		mg/kg	8	3.6		mg/kg	8	1.2	J	mg/kg	8	1.5		mg/kg	8
Potassium	111	J	mg/kg	1000	77.9	J	mg/kg	1000	46.7	UJ	mg/kg	1000	58.2	J	mg/kg	1000
Selenium	.96	U	mg/kg	1	.97	U	mg/kg	1	.96	U	mg/kg	1	.93	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.23	U	mg/kg	2
Sodium	218	U	mg/kg	1000	207	U	mg/kg	1000	195	U	mg/kg	1000	188	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.5	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	21.6		mg/kg	10	9.6		mg/kg	10	2.1		mg/kg	10	4.1		mg/kg	10
Zinc	7.6	UJ	mg/kg	4	3.8	UJ	mg/kg	4	11.1	UJ	mg/kg	4	7.4	UJ	mg/kg	4
Cyanide	.57	UJ	mg/kg	.5	.58	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.57	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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
bis(2-Chloroethyl) ether	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2-Chlorophenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
1,3-Dichlorobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
1,4-Dichlorobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
1,2-Dichlorobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2-Methylphenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
4-Methylphenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
N-Nitroso-di-n-propylamine	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Hexachloroethane	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Nitrobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Isophorone	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2-Nitrophenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4-Dimethylphenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4-Dichlorophenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
1,2,4-Trichlorobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Naphthalene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
4-Chloroaniline	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Hexachlorobutadiene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
4-Chloro-3-methylphenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2-Methylnaphthalene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Hexachlorocyclopentadiene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4,6-Trichlorophenol	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4,5-Trichlorophenol	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
2-Chloronaphthalene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2-Nitroaniline	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
Dimethylphthalate	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Acenaphthylene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,6-Dinitrotoluene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
3-Nitroaniline	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
Acenaphthene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4-Dinitrophenol	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
4-Nitrophenol	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
Dibenzofuran	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
2,4-Dinitrotoluene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Diethylphthalate	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
4-Chlorophenyl-phenylether	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Fluorene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
4,6-Dinitro-2-methylphenol	870	U	ug/kg	870	920	U	ug/kg	920	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
4-Bromophenyl-phenylether	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Hexachlorobenzene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Pentachlorophenol	870	U	ug/kg	870	920	U	ug/kg	920	1800	UJ	ug/kg	1800
Phenanthrene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Anthracene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Carbazole	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Di-n-butylphthalate	4200	J	ug/kg	360	5500	J	ug/kg	380	2600	U	ug/kg	2600
Fluoranthene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Pyrene	360	U	ug/kg	360	380	U	ug/kg	380	740	UJ	ug/kg	740
Butylbenzylphthalate	360	U	ug/kg	360	500	J	ug/kg	380	740	U	ug/kg	740
3,3-Dichlorobenzidine	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Benzo (a) anthracene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Chrysene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
bis(2-Ethylhexyl) phthalate	68	J	ug/kg	360	280	J	ug/kg	380	740	U	ug/kg	740
Di-n-octylphthalate	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Benzo (b) fluoranthene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Benzo (k) fluoranthene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Benzo (a) pyrene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Dibenzo (a,h) anthracene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
Benzo (g,h,i) perylene	360	U	ug/kg	360	380	U	ug/kg	380	740	U	ug/kg	740
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
beta-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
delta-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
gamma-BHC (Lindane)	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Heptachlor	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Aldrin	1.8	R	ug/kg	1.8	2	R	ug/kg	2	1.9	UJ	ug/kg	1.9
Heptachlor epoxide	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Endosulfan I	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Dieldrin	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDE	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endrin	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endosulfan II	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDD	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endosulfan sulfate	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDT	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Methoxychlor	18	U	ug/kg	18	20	U	ug/kg	20	19	UJ	ug/kg	19
Endrin ketone	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endrin aldehyde	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
alpha-Chlordane	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
gamma-Chlordane	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Toxaphene	180	U	ug/kg	180	200	U	ug/kg	200	190	UJ	ug/kg	190
Aroclor-1016	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1221	73	U	ug/kg	73	78	U	ug/kg	78	75	UJ	ug/kg	75
Aroclor-1232	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1242	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1248	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8043
SUBSURFACE SOIL -- SEMIVOLATILES

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1254	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1260	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
CLP METALS AND CYANIDE												
Aluminum	2250		mg/kg	40	3710		mg/kg	40	3880	J	mg/kg	40
Antimony	.43	UJ	mg/kg	12	.47	UJ	mg/kg	12	.78	J	mg/kg	12
Arsenic	1.5	J	mg/kg	20	.7	UJ	mg/kg	20	.68	U	mg/kg	20
Barium	5.6		mg/kg	40	4.7		mg/kg	40	5.7		mg/kg	40
Beryllium	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Calcium	250	U	mg/kg	1000	208	U	mg/kg	1000	246		mg/kg	1000
Chromium	4.1	U	mg/kg	2	4.8	U	mg/kg	2	4.4		mg/kg	2
Cobalt	.43	U	mg/kg	10	.47	U	mg/kg	10	.45	U	mg/kg	10
Copper	1.1	U	mg/kg	5	.89	U	mg/kg	5	.45	UJ	mg/kg	5
Iron	364		mg/kg	20	485		mg/kg	20	642	J	mg/kg	20
Lead	2.8		mg/kg	.6	3		mg/kg	.6	3.9	J	mg/kg	.6
Magnesium	82.1		mg/kg	1000	81.7		mg/kg	1000	119	J	mg/kg	1000
Manganese	2.8	U	mg/kg	3	2.3	U	mg/kg	3	3.3	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.3		mg/kg	8	1.3		mg/kg	8	1.7	J	mg/kg	8
Potassium	85	J	mg/kg	1000	36.9	UJ	mg/kg	1000	56.2	J	mg/kg	1000
Selenium	.87	U	mg/kg	1	.94	U	mg/kg	1	.9	U	mg/kg	1
Silver	.22	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2
Sodium	165	U	mg/kg	1000	164	U	mg/kg	1000	190	U	mg/kg	1000
Thallium	1.3	U	mg/kg	2	1.4	U	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	9.8		mg/kg	10	3		mg/kg	10	4.3	J	mg/kg	10
Zinc	5.2	UJ	mg/kg	4	6	UJ	mg/kg	4	5	UJ	mg/kg	4
Cyanide	.52	UJ	mg/kg	.5	.56	UJ	mg/kg	.5	.56	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8044
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2.5	R	ug/kg	2.5	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Dieldrin	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDE	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endrin	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endosulfan II	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDD	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endosulfan sulfate	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
4,4-DDT	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	20	U	ug/kg	20	25	UJ	ug/kg	25	20	U	ug/kg	20
Endrin ketone	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
Endrin aldehyde	3.9	UJ	ug/kg	3.9	4	U	ug/kg	4	4.8	UJ	ug/kg	4.8	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2.5	UJ	ug/kg	2.5	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	250	UJ	ug/kg	250	200	U	ug/kg	200
Aroclor-1016	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1221	80	UJ	ug/kg	80	80	U	ug/kg	80	97	UJ	ug/kg	97	79	U	ug/kg	79
Aroclor-1232	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1242	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1248	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1254	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39
Aroclor-1260	39	UJ	ug/kg	39	40	U	ug/kg	40	48	UJ	ug/kg	48	39	U	ug/kg	39

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8044
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	2	J	ug/kg	4	.53	J	ug/kg	4	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDE	.43	J	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan II	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDD	2.9	UJ	ug/kg	2.9	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan sulfate	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDT	9.8	J	ug/kg	4	2.6	J	ug/kg	4	1.1	J	ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	1.5	J	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin aldehyde	4	UJ	ug/kg	4	3.8	U	ug/kg	3.8	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1221	81	UJ	ug/kg	81	78	U	ug/kg	78	79	U	ug/kg	79	79	U	ug/kg	79
Aroclor-1232	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1242	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1248	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1254	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1260	40	UJ	ug/kg	40	38	U	ug/kg	38	39	U	ug/kg	39	39	U	ug/kg	39

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8044
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	10	U	ug/kg	10	2	U	ug/kg	2
beta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
delta-BHC	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-BHC (Lindane)	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Heptachlor	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor epoxide	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Endosulfan I	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Dieldrin	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	J	ug/kg	4	3.9	U	ug/kg	3.9
4,4-DDE	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan II	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDD	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endosulfan sulfate	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
4,4-DDT	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	31		ug/kg	4	3.9	U	ug/kg	3.9
Methoxychlor	20	UJ	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20
Endrin ketone	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
Endrin aldehyde	3.9	UJ	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9
alpha-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
gamma-Chlordane	2	UJ	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Toxaphene	200	UJ	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200
Aroclor-1016	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1221	79	UJ	ug/kg	79	80	U	ug/kg	80	80	U	ug/kg	80	79	U	ug/kg	79
Aroclor-1232	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1242	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1248	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1254	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39
Aroclor-1260	39	UJ	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39	39	U	ug/kg	39

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8044
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
beta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
delta-BHC	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-BHC (Lindane)	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Heptachlor	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Aldrin	2	R	ug/kg	2	2	R	ug/kg	2	2	R	ug/kg	2	2	UJ	ug/kg	2
Heptachlor epoxide	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Endosulfan I	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Dieldrin	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDE	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endrin	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endosulfan II	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDD	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endosulfan sulfate	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
4,4-DDT	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Methoxychlor	20	U	ug/kg	20	20	U	ug/kg	20	20	U	ug/kg	20	20	UJ	ug/kg	20
Endrin ketone	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
Endrin aldehyde	4	U	ug/kg	4	4	U	ug/kg	4	3.9	U	ug/kg	3.9	3.9	UJ	ug/kg	3.9
alpha-Chlordane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
gamma-Chlordane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	UJ	ug/kg	2
Toxaphene	200	U	ug/kg	200	200	U	ug/kg	200	200	U	ug/kg	200	200	UJ	ug/kg	200
Aroclor-1016	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1221	81	U	ug/kg	81	80	U	ug/kg	80	80	U	ug/kg	80	80	UJ	ug/kg	80
Aroclor-1232	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1242	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1248	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1254	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39
Aroclor-1260	40	U	ug/kg	40	40	U	ug/kg	40	39	U	ug/kg	39	39	UJ	ug/kg	39

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8044
SUBSURFACE SOIL -- PESTICIDES AND PCBs

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
beta-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
delta-BHC	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
gamma-BHC (Lindane)	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Heptachlor	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Aldrin	1.8	R	ug/kg	1.8	2	R	ug/kg	2	1.9	UJ	ug/kg	1.9
Heptachlor epoxide	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Endosulfan I	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Dieldrin	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDE	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endrin	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endosulfan II	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDD	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endosulfan sulfate	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
4,4-DDT	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Methoxychlor	18	U	ug/kg	18	20	U	ug/kg	20	19	UJ	ug/kg	19
Endrin ketone	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
Endrin aldehyde	3.6	U	ug/kg	3.6	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7
alpha-Chlordane	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
gamma-Chlordane	1.8	U	ug/kg	1.8	2	U	ug/kg	2	1.9	UJ	ug/kg	1.9
Toxaphene	180	U	ug/kg	180	200	U	ug/kg	200	190	UJ	ug/kg	190
Aroclor-1016	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1221	73	U	ug/kg	73	78	U	ug/kg	78	75	UJ	ug/kg	75
Aroclor-1232	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1242	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1248	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1254	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37
Aroclor-1260	36	U	ug/kg	36	38	U	ug/kg	38	37	UJ	ug/kg	37

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8046
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A1M3C				A1M3D				A1M3E				A1M3F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	6360		mg/kg	40	4100		mg/kg	40	2740		mg/kg	40	2100		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.48	UJ	mg/kg	12	.58	UJ	mg/kg	12	.46	UJ	mg/kg	12
Arsenic	.71	UJ	mg/kg	20	.72	UJ	mg/kg	20	.87	UJ	mg/kg	20	.69	U	mg/kg	20
Barium	6.1		mg/kg	40	3.8		mg/kg	40	3.8		mg/kg	40	3.7		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.29	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.29	U	mg/kg	1	.23	U	mg/kg	1
Calcium	352		mg/kg	1000	506		mg/kg	1000	229	U	mg/kg	1000	187	U	mg/kg	1000
Chromium	12.5		mg/kg	2	6	U	mg/kg	2	4.2	U	mg/kg	2	4.5	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.48	U	mg/kg	10	.58	U	mg/kg	10	.46	U	mg/kg	10
Copper	1.1	U	mg/kg	5	.51	U	mg/kg	5	1.1	U	mg/kg	5	.83	U	mg/kg	5
Iron	2760		mg/kg	20	236		mg/kg	20	412		mg/kg	20	403		mg/kg	20
Lead	4.2		mg/kg	.6	4.9		mg/kg	.6	2.5		mg/kg	.6	2.6		mg/kg	.6
Magnesium	98.6		mg/kg	1000	63		mg/kg	1000	75.7		mg/kg	1000	66.1		mg/kg	1000
Manganese	2.7	U	mg/kg	3	1.3	U	mg/kg	3	2.5	U	mg/kg	3	2.8	U	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.14	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.2		mg/kg	8	1.2		mg/kg	8	.94		mg/kg	8	1.1		mg/kg	8
Potassium	53.8	J	mg/kg	1000	32.8	UJ	mg/kg	1000	33.8	UJ	mg/kg	1000	33	UJ	mg/kg	1000
Selenium	.95	U	mg/kg	1	1.1		mg/kg	1	1.3		mg/kg	1	.92	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.29	U	mg/kg	2	.23	U	mg/kg	2
Sodium	180	U	mg/kg	1000	189	U	mg/kg	1000	172	U	mg/kg	1000	163	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.7	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	7.1		mg/kg	10	2.6		mg/kg	10	2.9		mg/kg	10	2.2		mg/kg	10
Zinc	3.7	UJ	mg/kg	4	2.7	UJ	mg/kg	4	4.8	UJ	mg/kg	4	8.3	UJ	mg/kg	4
Cyanide	.56	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.7	UJ	mg/kg	.5	.55	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8046
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A1M3G				A1M3H				A1M3J				A1M3K			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	382		mg/kg	40	765		mg/kg	40	370		mg/kg	40	392		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.47	UJ	mg/kg	12	.46	UJ	mg/kg	12	.47	UJ	mg/kg	12
Arsenic	.72	UJ	mg/kg	20	.7	UJ	mg/kg	20	.69	UJ	mg/kg	20	.7	UJ	mg/kg	20
Barium	1.2	U	mg/kg	40	1.4	U	mg/kg	40	1.1	U	mg/kg	40	.91	U	mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Calcium	114	U	mg/kg	1000	80.4	U	mg/kg	1000	227	U	mg/kg	1000	99.1	U	mg/kg	1000
Chromium	1.8	U	mg/kg	2	5.2	U	mg/kg	2	2.2	U	mg/kg	2	2.5	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.47	U	mg/kg	10	.46	U	mg/kg	10	.47	U	mg/kg	10
Copper	1	U	mg/kg	5	.49	U	mg/kg	5	.51	U	mg/kg	5	.47	U	mg/kg	5
Iron	81.6		mg/kg	20	382		mg/kg	20	110		mg/kg	20	84.3		mg/kg	20
Lead	1.1	J	mg/kg	.6	1.1	J	mg/kg	.6	1.1	J	mg/kg	.6	.77	J	mg/kg	.6
Magnesium	21.8	U	mg/kg	1000	24.9	U	mg/kg	1000	18.9	U	mg/kg	1000	18.9	U	mg/kg	1000
Manganese	1.8	U	mg/kg	3	1.4	U	mg/kg	3	1.4	U	mg/kg	3	1.3	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	1.6	J	mg/kg	8	.75		mg/kg	8	.46	U	mg/kg	8	.47	U	mg/kg	8
Potassium	12	UJ	mg/kg	1000	11.8	UJ	mg/kg	1000	10.4	UJ	mg/kg	1000	12.6	UJ	mg/kg	1000
Selenium	.97	U	mg/kg	1	.93	U	mg/kg	1	.92	U	mg/kg	1	.94	U	mg/kg	1
Silver	.24	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2
Sodium	148	U	mg/kg	1000	138	U	mg/kg	1000	156	U	mg/kg	1000	155	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	.72	J	mg/kg	10	1.2		mg/kg	10	.54		mg/kg	10	.63		mg/kg	10
Zinc	4.4	UJ	mg/kg	4	2.8	UJ	mg/kg	4	3.4	UJ	mg/kg	4	3.1	UJ	mg/kg	4
Cyanide	.59	UJ	mg/kg	.5	.54	UJ	mg/kg	.5	.55	UJ	mg/kg	.5	.58	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8046
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A1M3L				A1M3M				A1M3N				A1M3P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	281		mg/kg	40	13000		mg/kg	40	14600		mg/kg	40	8070		mg/kg	40
Antimony	.47	UJ	mg/kg	12	.47	UJ	mg/kg	12	.47	UJ	mg/kg	12	.48	UJ	mg/kg	12
Arsenic	.71	UJ	mg/kg	20	1.7	J	mg/kg	20	.71	UJ	mg/kg	20	1	J	mg/kg	20
Barium	.96	U	mg/kg	40	11.8		mg/kg	40	13.5		mg/kg	40	7.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Calcium	63.6	U	mg/kg	1000	587		mg/kg	1000	594		mg/kg	1000	414		mg/kg	1000
Chromium	1.4	U	mg/kg	2	15.9		mg/kg	2	14.7		mg/kg	2	9.4		mg/kg	2
Cobalt	.47	U	mg/kg	10	.47	U	mg/kg	10	.66		mg/kg	10	.48	U	mg/kg	10
Copper	1.6	U	mg/kg	5	1	U	mg/kg	5	.66	U	mg/kg	5	1.2	U	mg/kg	5
Iron	80.1		mg/kg	20	3560		mg/kg	20	2000		mg/kg	20	4410		mg/kg	20
Lead	1	J	mg/kg	.6	12.5		mg/kg	.6	13		mg/kg	.6	8.1		mg/kg	.6
Magnesium	11.7	U	mg/kg	1000	151		mg/kg	1000	197		mg/kg	1000	112		mg/kg	1000
Manganese	1.5	U	mg/kg	3	3.2	U	mg/kg	3	4.8	U	mg/kg	3	3.6	U	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.76		mg/kg	8	3.8		mg/kg	8	4		mg/kg	8	7.6		mg/kg	8
Potassium	8.5	UJ	mg/kg	1000	166	J	mg/kg	1000	192	J	mg/kg	1000	110	J	mg/kg	1000
Selenium	.95	U	mg/kg	1	.95	U	mg/kg	1	1	J	mg/kg	1	.96	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2
Sodium	163	U	mg/kg	1000	218	U	mg/kg	1000	228	U	mg/kg	1000	199	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	.49		mg/kg	10	18.5		mg/kg	10	12.8		mg/kg	10	9.1		mg/kg	10
Zinc	2.3	UJ	mg/kg	4	3.7	UJ	mg/kg	4	4.5	UJ	mg/kg	4	5.3	UJ	mg/kg	4
Cyanide	.57	UJ	mg/kg	.5	.56	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.56	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8046
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A1M3R				A1NCG				A1NCM				A1NCL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	9020		mg/kg	40	9050		mg/kg	40	8280		mg/kg	40	5040		mg/kg	40
Antimony	.48	UJ	mg/kg	12	.49	UJ	mg/kg	12	.48	UJ	mg/kg	12	.47	UJ	mg/kg	12
Arsenic	1.3	J	mg/kg	20	.73	UJ	mg/kg	20	.72	UJ	mg/kg	20	.7	UJ	mg/kg	20
Barium	6.2		mg/kg	40	6.3		mg/kg	40	5.5		mg/kg	40	7.5		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.23	U	mg/kg	1
Calcium	733		mg/kg	1000	299		mg/kg	1000	433		mg/kg	1000	469		mg/kg	1000
Chromium	12.6		mg/kg	2	11.1		mg/kg	2	15.7		mg/kg	2	6.3	U	mg/kg	2
Cobalt	.48	U	mg/kg	10	.49	U	mg/kg	10	.48	U	mg/kg	10	.47	U	mg/kg	10
Copper	1.2	U	mg/kg	5	1	U	mg/kg	5	1.5	U	mg/kg	5	2.5	U	mg/kg	5
Iron	4360		mg/kg	20	2560		mg/kg	20	4650		mg/kg	20	456		mg/kg	20
Lead	6.3		mg/kg	.6	7		mg/kg	.6	3.2		mg/kg	.6	5.1		mg/kg	.6
Magnesium	83.7		mg/kg	1000	113		mg/kg	1000	134		mg/kg	1000	84.3		mg/kg	1000
Manganese	2.2	U	mg/kg	3	2.7	U	mg/kg	3	3.3	U	mg/kg	3	3.8	U	mg/kg	3
Mercury	.13	U	mg/kg	.1	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.1		mg/kg	8	3.6		mg/kg	8	1.2	J	mg/kg	8	1.5		mg/kg	8
Potassium	111	J	mg/kg	1000	77.9	J	mg/kg	1000	46.7	UJ	mg/kg	1000	58.2	J	mg/kg	1000
Selenium	.96	U	mg/kg	1	.97	U	mg/kg	1	.96	U	mg/kg	1	.93	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.23	U	mg/kg	2
Sodium	218	U	mg/kg	1000	207	U	mg/kg	1000	195	U	mg/kg	1000	188	U	mg/kg	1000
Thallium	1.4	U	mg/kg	2	1.5	U	mg/kg	2	1.4	U	mg/kg	2	1.4	U	mg/kg	2
Vanadium	21.6		mg/kg	10	9.6		mg/kg	10	2.1		mg/kg	10	4.1		mg/kg	10
Zinc	7.6	UJ	mg/kg	4	3.8	UJ	mg/kg	4	11.1	UJ	mg/kg	4	7.4	UJ	mg/kg	4
Cyanide	.57	UJ	mg/kg	.5	.58	UJ	mg/kg	.5	.57	UJ	mg/kg	.5	.57	UJ	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8046
SUBSURFACE SOIL -- METALS AND CYANIDE

Lab Sample Number:	A1NCN				A1NCQ				A1NDD			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	2250		mg/kg	40	3710		mg/kg	40	3880	J	mg/kg	40
Antimony	.43	UJ	mg/kg	12	.47	UJ	mg/kg	12	.78	J	mg/kg	12
Arsenic	1.5	J	mg/kg	20	.7	UJ	mg/kg	20	.68	U	mg/kg	20
Barium	5.6		mg/kg	40	4.7		mg/kg	40	5.7		mg/kg	40
Beryllium	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Calcium	250	U	mg/kg	1000	208	U	mg/kg	1000	246		mg/kg	1000
Chromium	4.1	U	mg/kg	2	4.8	U	mg/kg	2	4.4		mg/kg	2
Cobalt	.43	U	mg/kg	10	.47	U	mg/kg	10	.45	U	mg/kg	10
Copper	1.1	U	mg/kg	5	.89	U	mg/kg	5	.45	UJ	mg/kg	5
Iron	364		mg/kg	20	485		mg/kg	20	642	J	mg/kg	20
Lead	2.8		mg/kg	.6	3		mg/kg	.6	3.9	J	mg/kg	.6
Magnesium	82.1		mg/kg	1000	81.7		mg/kg	1000	119	J	mg/kg	1000
Manganese	2.8	U	mg/kg	3	2.3	U	mg/kg	3	3.3	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.3		mg/kg	8	1.3		mg/kg	8	1.7	J	mg/kg	8
Potassium	85	J	mg/kg	1000	36.9	UJ	mg/kg	1000	56.2	J	mg/kg	1000
Selenium	.87	U	mg/kg	1	.94	U	mg/kg	1	.9	U	mg/kg	1
Silver	.22	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2
Sodium	165	U	mg/kg	1000	164	U	mg/kg	1000	190	U	mg/kg	1000
Thallium	1.3	U	mg/kg	2	1.4	U	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	9.8		mg/kg	10	3		mg/kg	10	4.3	J	mg/kg	10
Zinc	5.2	UJ	mg/kg	4	6	UJ	mg/kg	4	5	UJ	mg/kg	4
Cyanide	.52	UJ	mg/kg	.5	.56	UJ	mg/kg	.5	.56	UJ	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7394
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A1M23				A1M25				A1M26				A1M28			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB1				CF7SB2				CF7SB3				CF7SB4			
Collect Date:	05-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	12	U	mg/kg	12	140		mg/kg	12	12	U	mg/kg	12	12	U	mg/kg	12

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7394
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A1M29				A1M2A				A1M2C				A1M2D			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB5				CF7SB6				CF7SB7				CF7SB8			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	2100		mg/kg	120	12	U	mg/kg	12	12	U	mg/kg	12	12	U	mg/kg	12

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7394
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A1M2E				A1M2F				A1M2G				A1M2H			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB9				CF7SB10				CF7SB10D				CF7SB11			
Collect Date:	06-DEC-94				06-DEC-94				06-DEC-94				06-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	12	U	mg/kg	12	100		mg/kg	12	83		mg/kg	12	12	U	mg/kg	12

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7394
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A1M2J				A1N4T				A1N4W				A1N4V			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB12				CF7SB13				CF7SB14				CF7SB15			
Collect Date:	06-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	12	U	mg/kg	12	12	U	mg/kg	12	12	U	mg/kg	12	2200		mg/kg	120

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7394
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A1N4X				A1N50				A1NAX			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SB16				CF7SB17				CF7SB17D			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	11	U	mg/kg	11	11	U	mg/kg	11	11	U	mg/kg	11

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Section 1.3

Site 7, Confirmatory Groundwater Samples Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7349
GROUNDWATER -- VOLATILES

Lab Sample Number:	A2EPE				A2WT9				A2EPF				A2EPH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	U	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	2		ug/l	2	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)	8		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7349
GROUNDWATER -- VOLATILES

Lab Sample Number:	A2CXN				A2DNC				A2DND				A2E50			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7349
GROUNDWATER -- VOLATILES

Lab Sample Number:	A2DNE				A2C1W				A3601				A2C1F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-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	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	13		ug/l	3	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	3	R	ug/l	3	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	3		ug/l	3	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	26		ug/l	3	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	2	U	ug/l	2	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	2		ug/l	3	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7349
GROUNDWATER -- VOLATILES

Lab Sample Number:	A2C1J				A2C1R				A2CXK				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-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	3	U	ug/l	3	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	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 J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7349
GROUNDWATER -- VOLATILES

Lab Sample Number:		A2CXM		
Site		CECIL3		
Locator		CF7MW15S		
Collect Date:		19-JAN-95		
	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	2	U	ug/l	2
Bromomethane	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2
Chloroethane	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1
Acetone	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1
Chloroform	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1
2-Butanone	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1
Benzene	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1
Bromoform	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1
Toluene	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1
Styrene	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2EPE				A2WT9				A2EPF				A2EPH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	.7	J	ug/l	10	10	U	ug/l	10	2	J	ug/l	10	2	J	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	.7	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	UJ	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	5	J	ug/l	10	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	4	J	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	UJ	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25	25	UJ	ug/l	25
4-Nitrophenol	25	UJ	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25	25	UJ	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	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 OPERABLE UN[illegible] / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2EPE				A2WT9				A2EPF				A2EPH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-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	42	U	ug/l	42	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2CXN				A2DNC				A2DND				A2E50			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-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	2	J	ug/l	20
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	1	J	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	UJ	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	UJ	ug/l	25	25	UJ	ug/l	25	25	UJ	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	UJ	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2CXN				A2DNC				A2DND				A2E50			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-95			
	VALUE	QUAL	UNITS	DL	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	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	UJ	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	13	U	ug/l	13
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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2DNE				A2C1W				A3601				A2C1F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-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	7	J	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	16		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	6	J	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	UJ	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2DNE				A2C1W				A3601				A2C1F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-95			
	VALUE	QUAL	UNITS	DL	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	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	UJ	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	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	13	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2C1J				A2C1R				A2CXK				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2C1J				A2C1R				A2CXK				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	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	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:		A2CXM		
Site		CECIL3		
Locator		CF7MW15S		
Collect Date:		19-JAN-95		
	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10
Isophorone	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10
Naphthalene	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10
2,4-Dinitrophenol	25	UJ	ug/l	25
4-Nitrophenol	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8048
GROUNDWATER -- SEMIVOLATILES

Lab Sample Number:	A2CXM			
Site	CECIL3			
Locator	CF7MW15S			
Collect Date:	19-JAN-95			
	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Carbazole	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10
Dibenzo (a,h) anthracene	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8049
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	A2EPE				A2WT9				A2EPF				A2EPH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-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	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 5 / SITE 7 REQ. NO. 8049
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	A2CXN				A2DNC				A2DND				A2E50			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-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	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.015	R	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8049
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	A2DNE				A2C1W				A3601				A2C1F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-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	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	R	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	U	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8049
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	A2C1J				A2C1R				A2CXK				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-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	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	R	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8049
GROUNDWATER -- PESTICIDES AND PCBs

Lab Sample Number:	A2CXM			
Site	CECIL3			
Locator	CF7MW15S			
Collect Date:	19-JAN-95			
	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8050
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE

Lab Sample Number:	A2EPE				A2WT9				A2EPF				A2EPH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	889		ug/l	200	817		ug/l	200	71.6	U	ug/l	200	88.2	U	ug/l	200
Antimony	5	UJ	ug/l	60	2	U	ug/l	60	2	UJ	ug/l	60	2	UJ	ug/l	60
Arsenic	1	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	8.1		ug/l	200	14		ug/l	200	15.3		ug/l	200	15.5		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	18900	J	ug/l	5000	2010		ug/l	5000	28000	J	ug/l	5000	27500	J	ug/l	5000
Chromium	3.3	U	ug/l	10	1	UJ	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Cobalt	1.6		ug/l	50	1	UJ	ug/l	50	1.3		ug/l	50	1	U	ug/l	50
Copper	2	U	ug/l	25	2	UJ	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	1550		ug/l	100	476		ug/l	100	557		ug/l	100	586		ug/l	100
Lead	2	U	ug/l	3	2	UJ	ug/l	5	2	U	ug/l	3	2	U	ug/l	3
Magnesium	1150		ug/l	5000	856		ug/l	5000	17400		ug/l	5000	17200		ug/l	5000
Manganese	36.8		ug/l	15	8.5		ug/l	15	44.3		ug/l	15	46.3		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	2.7	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	5620		ug/l	5000	1130		ug/l	5000	1540		ug/l	5000	1570		ug/l	5000
Selenium	4	UJ	ug/l	5	4	U	ug/l	5	4	UJ	ug/l	5	4	UJ	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	2890	U	ug/l	5000	5160		ug/l	5000	6620		ug/l	5000	6670		ug/l	5000
Thallium	6	U	ug/l	10	6	UJ	ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	3.5	U	ug/l	50	1.2		ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Zinc	1	UJ	ug/l	20	30.7		ug/l	20	1	UJ	ug/l	20	12.9	J	ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8050
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE

Lab Sample Number:	A2CXN				A2DNC				A2DND				A2E50			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	268	J	ug/l	200	1570	J	ug/l	200	200	J	ug/l	200	485		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	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	23.6		ug/l	200	17.6		ug/l	200	16.9		ug/l	200	17.1		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	2630		ug/l	5000	25300		ug/l	5000	25000		ug/l	5000	1900	J	ug/l	5000
Chromium	8	U	ug/l	10	8	U	ug/l	10	8	U	ug/l	10	1	U	ug/l	10
Cobalt	2	U	ug/l	50	1.1	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	2	U	ug/l	25	2	U	ug/l	25
Iron	2620	J	ug/l	100	539	J	ug/l	100	318	J	ug/l	100	195		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	374		ug/l	5000	13300		ug/l	5000	13400		ug/l	5000	116	U	ug/l	5000
Manganese	145		ug/l	15	21.1		ug/l	15	20.7		ug/l	15	17.3		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	2.8	U	ug/l	40	2.4	U	ug/l	40	5.6		ug/l	40	2	U	ug/l	40
Potassium	4040		ug/l	5000	1110		ug/l	5000	1140		ug/l	5000	5700		ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	UJ	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	1840		ug/l	5000	5120		ug/l	5000	5330		ug/l	5000	2600	U	ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50	1.1		ug/l	50
Zinc	9.5	UJ	ug/l	20	6.4	UJ	ug/l	20	1	UJ	ug/l	20	1	UJ	ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8050
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE

Lab Sample Number:	A2DNE				A2C1W				A3601				A2C1F			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	281	J	ug/l	200	520	J	ug/l	200	33300		ug/l	200	266	J	ug/l	200
Antimony	4.1	U	ug/l	60	2	U	ug/l	60	2.3	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	9.2		ug/l	10	5	U	ug/l	10
Barium	11.3		ug/l	200	14.3		ug/l	200	89.7		ug/l	200	9.4		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	742		ug/l	5000	4670		ug/l	5000	8560	J	ug/l	5000	8870		ug/l	5000
Chromium	8	U	ug/l	10	8	U	ug/l	10	46.5		ug/l	10	8	U	ug/l	10
Cobalt	1.3	U	ug/l	50	1.1	U	ug/l	50	5.6		ug/l	50	1.4	U	ug/l	50
Copper	2	U	ug/l	25	18.4		ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	504	J	ug/l	100	5050	J	ug/l	100	7960		ug/l	100	34.5	UJ	ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3	11.8	U	ug/l	3	2	U	ug/l	3
Magnesium	1130		ug/l	5000	902		ug/l	5000	2770		ug/l	5000	155	J	ug/l	5000
Manganese	7.5		ug/l	15	60.3		ug/l	15	78.8		ug/l	15	2.3		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	2	U	ug/l	40	2	U	ug/l	40	12.9		ug/l	40	2	U	ug/l	40
Potassium	126		ug/l	5000	526		ug/l	5000	6780		ug/l	5000	66.3		ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	UJ	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	1360		ug/l	5000	1540		ug/l	5000	9660		ug/l	5000	1430		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	UJ	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1.2		ug/l	50	49.9		ug/l	50	1	U	ug/l	50
Zinc	1.4	UJ	ug/l	20	7	UJ	ug/l	20	52.6	UJ	ug/l	20	3.6	UJ	ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8050
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE

Lab Sample Number:	A2C1J				A2C1R				A2CXK				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	190	J	ug/l	200	764	J	ug/l	200	38.1	J	ug/l	200	19700		ug/l	200
Antimony	2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60	2.9	U	ug/l	60
Arsenic	8.7		ug/l	10	5	U	ug/l	10	5	U	ug/l	10	7.1		ug/l	10
Barium	19.6		ug/l	200	19		ug/l	200	20.9		ug/l	200	43.8		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	34300		ug/l	5000	8680		ug/l	5000	33400		ug/l	5000	3900	J	ug/l	5000
Chromium	8	U	ug/l	10	8	U	ug/l	10	8	U	ug/l	10	18.7		ug/l	10
Cobalt	1	U	ug/l	50	1.4	U	ug/l	50	1.1	U	ug/l	50	4.9	UJ	ug/l	50
Copper	2.4		ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	721	J	ug/l	100	3000	J	ug/l	100	552	J	ug/l	100	4060		ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3	3.7	U	ug/l	3
Magnesium	17600		ug/l	5000	1800		ug/l	5000	1950		ug/l	5000	1460		ug/l	5000
Manganese	45.3		ug/l	15	29		ug/l	15	34.5		ug/l	15	40.5		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	3.8	U	ug/l	40	2	U	ug/l	40	6.1	U	ug/l	40	10.5		ug/l	40
Potassium	1310		ug/l	5000	3140		ug/l	5000	1230		ug/l	5000	1750		ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	UJ	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	6540		ug/l	5000	3420		ug/l	5000	1240		ug/l	5000	5320		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10	6	UJ	ug/l	10
Vanadium	1.3		ug/l	50	1	U	ug/l	50	1.5		ug/l	50	19.5		ug/l	50
Zinc	14.6	UJ	ug/l	20	1.2	UJ	ug/l	20	5.4	UJ	ug/l	20	42.3	UJ	ug/l	20
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8050
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE

Lab Sample Number:	A2CXM			
Site	CECIL3			
Locator	CF7MW15S			
Collect Date:	19-JAN-95			
	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	1450	J	ug/l	200
Antimony	2	U	ug/l	60
Arsenic	5	U	ug/l	10
Barium	11.1		ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	1	U	ug/l	5
Calcium	12500		ug/l	5000
Chromium	8	U	ug/l	10
Cobalt	1	U	ug/l	50
Copper	2.6		ug/l	25
Iron	351	J	ug/l	100
Lead	2	U	ug/l	3
Magnesium	444		ug/l	5000
Manganese	16.2		ug/l	15
Mercury	.2	U	ug/l	.2
Nickel	2	U	ug/l	40
Potassium	765		ug/l	5000
Selenium	4	U	ug/l	5
Silver	1	U	ug/l	10
Sodium	2750		ug/l	5000
Thallium	6	U	ug/l	10
Vanadium	1.5		ug/l	50
Zinc	15.4	UJ	ug/l	20
Cyanide	10	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 8051
GROUNDWATER -- METALS (FILTERED)

Lab Sample Number:	A2WT9F				A3601F				A3603F			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7MW2IF				CF7MW9IF				CF7MW14IF			
Collect Date:	20-FEB-95				03-MAR-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	217	U	ug/l	200	18600		ug/l	200	3420		ug/l	200
Antimony	6.6	U	ug/l	60	9.1	U	ug/l	60	9.5	U	ug/l	60
Arsenic	5	U	ug/l	10	6.9	J	ug/l	10	5	U	ug/l	10
Barium	14.3		ug/l	200	62.2		ug/l	200	23.9		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	1610		ug/l	5000	6200		ug/l	5000	3090		ug/l	5000
Chromium	1	UJ	ug/l	10	26.3		ug/l	10	2.4	J	ug/l	10
Cobalt	1	UJ	ug/l	50	4.1	UJ	ug/l	50	2.1	UJ	ug/l	50
Copper	2	UJ	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	383		ug/l	100	4500		ug/l	100	861		ug/l	100
Lead	2	UJ	ug/l	3	5.7	U	ug/l	3	2	U	ug/l	3
Magnesium	846		ug/l	5000	1900		ug/l	5000	741		ug/l	5000
Manganese	8.7		ug/l	15	54.7		ug/l	15	26.3		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	7.8		ug/l	40	2	U	ug/l	40
Potassium	1160		ug/l	5000	5260		ug/l	5000	1190		ug/l	5000
Selenium	4	U	ug/l	5	4	UJ	ug/l	5	4	UJ	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium	4320		ug/l	5000	8620		ug/l	5000	4670	UJ	ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10
Vanadium	1	U	ug/l	50	30.7		ug/l	50	4.2	U	ug/l	50
Zinc	21.8		ug/l	20	56.4	UJ	ug/l	20	24.9	UJ	ug/l	20
Cyanide	-				-				-			

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NAS CECIL FIELD OPERABLE UNI, J / SITE 7 REQ. NO. 8083
GROUNDWATER -- WET CHEMISTRY

Lab Sample Number:	A2E8P			
Site	CECIL3			
Locator	CF7MW6S			
Collect Date:	23-JAN-95			
	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES				
Alkalinity, Bicarbonate	10		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10
Alkalinity, Total	10		mg/l	10
Hardness	15		mg/l	5
Chloride	52		mg/l	2
Total Kjeldahl Nitrogen	-			
Sulfate	25	U	mg/l	25
Sulfide	1	U	mg/l	1
Total Phosphorous	-			
Hexavalent chromium	-			
Total Dissolved Solids	77		mg/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7393
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A2EP4				A2WVJ				A2EP5				A2EP6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1S				CF7MW2I				CF7MW3D				CF7MW3DD			
Collect Date:	24-JAN-95				20-FEB-95				24-JAN-95				24-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5
Total organic carbon	6	U	mg/l	1	-				2	U	mg/l	1	2	U	mg/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7393
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A2D0W				A2DN4				A2DN5				A2E8P			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW4S				CF7MW5D				CF7MW5DD				CF7MW6S			
Collect Date:	19-JAN-95				20-JAN-95				20-JAN-95				23-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5	1.2		mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5
Total organic carbon	-				-				-				3	U	mg/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7393
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A2DN6				A2C0H				A3601				A2C0A			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW7I				CF7MW8S				CF7MW9I				CF7MW10S			
Collect Date:	20-JAN-95				18-JAN-95				03-MAR-95				18-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5	.5	J	mg/l	.5	.5	U	mg/l	.5	.5	UJ	mg/l	.5
Total organic carbon	-				-				-				-			

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7393
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A2C0C				A2C0F				A2D0Q				A3603			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW11D				CF7MW12S				CF7MW13S				CF7MW14I			
Collect Date:	18-JAN-95				18-JAN-95				19-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	UJ	mg/l	.5	.5	UJ	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5
Total organic carbon	-				-				-				-			

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 7 REQ. NO. 7393
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A2D0T			
Site	CECIL3			
Locator	CF7MW15S			
Collect Date:	19-JAN-95			
	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5
Total organic carbon	-			

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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7
GROUNDWATER -- WET CHEMISTRY -- REQ. NO. 8120

Lab Sample Number:		A2E8P		
Site		CECIL3		
Locator		CF7MW6S		
Collect Date:		23-JAN-95		
	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES				
Alkalinity, Bicarbonate	10		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10
Alkalinity, Total	10		mg/l	10
Hardness	15		mg/l	5
Chloride	52		mg/l	2
Sulfate	25	U	mg/l	25
Sulfide	1	U	mg/l	1
Total Phosphorous	-			
Hexavalent chromium	-			
Total Dissolved Solids	77		mg/l	10
Total Solids	1700		mg/l	10
Total Suspended Solids	1600		mg/l	20
Oil and Grease	-			
Total Kjeldahl Nitrogen	-			
Color	140		C.U.	10

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Section 1.4

Site 7, Quality Assurance, Quality Control Results

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A26JAMS				A26JAMSD				A26KCMS				A26KCMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS19MS				CF7SS19MSD				CF7SS20MS				CF7SS20MSD			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	3	J	ug/kg	11	4	J	ug/kg	11	4	J	ug/kg	11	11	U	ug/kg	11
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	54		ug/kg	11	50		ug/kg	11	55		ug/kg	11	49		ug/kg	11
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	11	U	ug/kg	11	11	U	ug/kg	11
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	45		ug/kg	11	51		ug/kg	11	48		ug/kg	11	50		ug/kg	11
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	51		ug/kg	11	50		ug/kg	11	56		ug/kg	11	51		ug/kg	11
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	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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene	54		ug/kg	11	56		ug/kg	11	53		ug/kg	11	52		ug/kg	11
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	49		ug/kg	11	49		ug/kg	11	51		ug/kg	11	50		ug/kg	11
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
CLP SEMIVOLATILES 90-SOW																
Phenol	2300		ug/kg	360	2000		ug/kg	360	2300		ug/kg	350	2600		ug/kg	350
bis(2-Chloroethyl) ether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2-Chlorophenol	2400		ug/kg	360	2000		ug/kg	360	2500		ug/kg	350	2700		ug/kg	350
1,3-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
1,4-Dichlorobenzene	1500		ug/kg	360	1300		ug/kg	360	1600		ug/kg	350	1700		ug/kg	350
1,2-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-propylamine	1700		ug/kg	360	1400		ug/kg	360	1600		ug/kg	350	1800		ug/kg	350
Hexachloroethane	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Nitrobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Isophorone	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitrophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dimethylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A26JAMS				A26JAMSD				A26KCMS				A26KCMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS19MS				CF7SS19MSD				CF7SS20MS				CF7SS20MSD			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
1,2,4-Trichlorobenzene	1700		ug/kg	360	1500		ug/kg	360	1800		ug/kg	350	2000		ug/kg	350
Naphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloroaniline	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobutadiene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloro-3-methylphenol	2900		ug/kg	360	2400		ug/kg	360	2600		ug/kg	350	3000		ug/kg	350
2-Methylnaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorocyclopentadiene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,4,6-Trichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,4,5-Trichlorophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
2-Chloronaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
Dimethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Acenaphthylene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,6-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
3-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
Acenaphthene	1800		ug/kg	360	1500		ug/kg	360	1800		ug/kg	350	2000		ug/kg	350
2,4-Dinitrophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
4-Nitrophenol	2200		ug/kg	870	1700		ug/kg	870	1800		ug/kg	850	2200		ug/kg	850
Dibenzofuran	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dinitrotoluene	1700		ug/kg	360	1400		ug/kg	360	1800		ug/kg	350	2100		ug/kg	350
Diethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Chlorophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Fluorene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
4,6-Dinitro-2-methylphenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	860	U	ug/kg	860
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
4-Bromophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Pentachlorophenol	2500		ug/kg	870	1800		ug/kg	870	2200		ug/kg	850	2800		ug/kg	850
Phenanthrene	36	J	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Carbazole	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-butylphthalate	140	J	ug/kg	360	96	J	ug/kg	360	180	J	ug/kg	350	160	J	ug/kg	350
Fluoranthene	170	J	ug/kg	360	33	J	ug/kg	360	38	J	ug/kg	350	36	J	ug/kg	350
Pyrene	1600		ug/kg	360	1200		ug/kg	360	2400		ug/kg	350	2400		ug/kg	350
Butylbenzylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
3,3-Dichlorobenzidine	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (a) anthracene	98	J	ug/kg	360	21	J	ug/kg	360	28	J	ug/kg	350	350	U	ug/kg	350
Chrysene	120	J	ug/kg	360	30	J	ug/kg	360	34	J	ug/kg	350	34	J	ug/kg	350
bis(2-Ethylhexyl) phthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (b) fluoranthene	290	J	ug/kg	360	67	J	ug/kg	360	110	J	ug/kg	350	59	J	ug/kg	350
Benzo (k) fluoranthene	81	J	ug/kg	360	20	J	ug/kg	360	350	U	ug/kg	350	23	J	ug/kg	350
Benzo (a) pyrene	150	J	ug/kg	360	38	J	ug/kg	360	55	J	ug/kg	350	38	J	ug/kg	350
Indeno (1,2,3-cd) pyrene	95	J	ug/kg	360	26	J	ug/kg	360	40	J	ug/kg	350	30	J	ug/kg	350
Dibenzo (a,h) anthracene	24	J	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (g,h,i) perylene	130	J	ug/kg	360	26	J	ug/kg	360	52	J	ug/kg	350	44	J	ug/kg	350
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A26JAMS				A26JAMSD				A26KCMS				A26KCMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS19MS				CF7SS19MSD				CF7SS20MS				CF7SS20MSD			
Collect Date:	09-JAN-95				09-JAN-95				09-JAN-95				09-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
delta-BHC	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	22		ug/kg	2	20		ug/kg	2	17		ug/kg	2	16		ug/kg	2
Heptachlor	20		ug/kg	2	20		ug/kg	2	19		ug/kg	2	18		ug/kg	2
Aldrin	21		ug/kg	2	19		ug/kg	2	15		ug/kg	2	14		ug/kg	2
Heptachlor epoxide	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Endosulfan I	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Dieldrin	41		ug/kg	4	39		ug/kg	4	34		ug/kg	3	33		ug/kg	3
4,4-DDE	3.6	U	ug/kg	3.6	.4	J	ug/kg	4	3.5	U	ug/kg	3.5	3.5	U	ug/kg	3.5
Endrin	42		ug/kg	4	40		ug/kg	4	36		ug/kg	3	34		ug/kg	3
Endosulfan II	.35	J	ug/kg	4	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.5	U	ug/kg	3.5
4,4-DDD	3.8		ug/kg	4	3.6		ug/kg	4	.69	J	ug/kg	3	3.5	U	ug/kg	3.5
Endosulfan sulfate	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.5	U	ug/kg	3.5
4,4-DDT	43		ug/kg	4	41		ug/kg	4	38		ug/kg	3	36		ug/kg	3
Methoxychlor	18	U	ug/kg	18	19	U	ug/kg	19	18	U	ug/kg	18	18	U	ug/kg	18
Endrin ketone	.57	J	ug/kg	4	.53	J	ug/kg	4	3.5	U	ug/kg	3.5	3.5	U	ug/kg	3.5
Endrin aldehyde	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.5	U	ug/kg	3.5
alpha-Chlordane	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-Chlordane	1.8	U	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Toxaphene	180	U	ug/kg	180	190	U	ug/kg	190	180	U	ug/kg	180	180	U	ug/kg	180
Aroclor-1016	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1221	73	U	ug/kg	73	73	U	ug/kg	73	71	U	ug/kg	71	71	U	ug/kg	71
Aroclor-1232	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1242	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1248	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1254	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1260	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NCLMS				A1NCLMSD				A1NCNMS				A1NCNMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB15MS				CF7SB15MSD				CF7SB16MS				CF7SB16MSD			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	7	J	ug/kg	11	5	J	ug/kg	11
Carbon disulfide	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene	7700		ug/kg		7600		ug/kg		55		ug/kg	11	61		ug/kg	11
1,1-Dichloroethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
1,1,1-Trichloroethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene	7000		ug/kg		6500		ug/kg		52		ug/kg	11	57		ug/kg	11
Dibromochloromethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Benzene	7600		ug/kg		7400		ug/kg		55		ug/kg	11	61		ug/kg	11
trans-1,3-Dichloropropene	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone	1500	U	ug/kg	1500	1500	U	ug/kg	1500	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Toluene	7700		ug/kg		7400		ug/kg		53		ug/kg	11	60		ug/kg	11
1,1,2,2-Tetrachloroethane	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene	7300		ug/kg		7000		ug/kg		54		ug/kg	11	57		ug/kg	11
Ethylbenzene	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Styrene	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)	740	U	ug/kg	740	740	U	ug/kg	740	5	U	ug/kg	5	5	U	ug/kg	5
CLP SEMIVOLATILES 90-SOW																
Phenol	-				-				2000		ug/kg	360	2200		ug/kg	360
bis(2-Chloroethyl) ether	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2-Chlorophenol	-				-				2000		ug/kg	360	2200		ug/kg	360
1,3-Dichlorobenzene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
1,4-Dichlorobenzene	-				-				1400		ug/kg	360	1400		ug/kg	360

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NCLMS				A1NCLMSD				A1NCNMS				A1NCNMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB15MS				CF7SB15MSD				CF7SB16MS				CF7SB16MSD			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2-Methylphenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,2-oxybis(1-Chloropropane)	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Methylphenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
N-Nitroso-di-n-propylamine	-				-				1400		ug/kg	360	1600		ug/kg	360
Hexachloroethane	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Nitrobenzene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Isophorone	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2-Nitrophenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dimethylphenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
bis(2-Chloroethoxy) methane	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dichlorophenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
1,2,4-Trichlorobenzene	-				-				1600		ug/kg	360	1500		ug/kg	360
Naphthalene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Chloroaniline	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorobutadiene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Chloro-3-methylphenol	-				-				2200		ug/kg	360	2400		ug/kg	360
2-Methylnaphthalene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorocyclopentadiene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,4,6-Trichlorophenol	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,4,5-Trichlorophenol	-				-				870	U	ug/kg	870	870	U	ug/kg	870
2-Chloronaphthalene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2-Nitroaniline	-				-				870	U	ug/kg	870	870	U	ug/kg	870
Dimethylphthalate	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Acenaphthylene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,6-Dinitrotoluene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
3-Nitroaniline	-				-				870	U	ug/kg	870	870	U	ug/kg	870
Acenaphthene	-				-				1500		ug/kg	360	1600		ug/kg	360
2,4-Dinitrophenol	-				-				870	U	ug/kg	870	870	U	ug/kg	870
4-Nitrophenol	-				-				2600		ug/kg	870	2500		ug/kg	870
Dibenzofuran	-				-				360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dinitrotoluene	-				-				1700		ug/kg	360	1800		ug/kg	360
Diethylphthalate	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Chlorophenyl-phenylether	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Fluorene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Nitroaniline	-				-				870	U	ug/kg	870	870	U	ug/kg	870
4,6-Dinitro-2-methylphenol	-				-				870	U	ug/kg	870	870	U	ug/kg	870
N-Nitrosodiphenylamine (1)	-				-				360	U	ug/kg	360	360	U	ug/kg	360
4-Bromophenyl-phenylether	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorobenzene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Pentachlorophenol	-				-				2400		ug/kg	870	2700		ug/kg	870
Phenanthrene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Anthracene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Carbazole	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Di-n-butylphthalate	-				-				4100		ug/kg	360	4200		ug/kg	360
Fluoranthene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Pyrene	-				-				1500		ug/kg	360	1800		ug/kg	360
Butylbenzylphthalate	-				-				360	U	ug/kg	360	360	U	ug/kg	360
3,3-Dichlorobenzidine	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Benzo (a) anthracene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Chrysene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
bis(2-Ethylhexyl) phthalate	-				-				360	U	ug/kg	360	360	U	ug/kg	360

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NCLMS				A1NCLMSD				A1NCNMS				A1NCNMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB15MS				CF7SB15MSD				CF7SB16MS				CF7SB16MSD			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Benzo (b) fluoranthene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Benzo (k) fluoranthene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Benzo (a) pyrene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Indeno (1,2,3-cd) pyrene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Dibenzo (a,h) anthracene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
Benzo (g,h,i) perylene	-				-				360	U	ug/kg	360	360	U	ug/kg	360
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
beta-BHC	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
delta-BHC	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
gamma-BHC (Lindane)	-				-				19		ug/kg	2	25		ug/kg	2
Heptachlor	-				-				16		ug/kg	2	20		ug/kg	2
Aldrin	-				-				11		ug/kg	2	3.7	U	ug/kg	3.7
Heptachlor epoxide	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
Endosulfan I	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
Dieldrin	-				-				37		ug/kg	4	52		ug/kg	4
4,4-DDE	-				-				3.6	U	ug/kg	3.6	7.2	U	ug/kg	7.2
Endrin	-				-				35		ug/kg	4	51		ug/kg	4
Endosulfan II	-				-				3.6	U	ug/kg	3.6	7.2	U	ug/kg	7.2
4,4-DDD	-				-				1.3	J	ug/kg	4	1.3	J	ug/kg	4
Endosulfan sulfate	-				-				3.6	U	ug/kg	3.6	7.2	U	ug/kg	7.2
4,4-DDT	-				-				39		ug/kg	4	48		ug/kg	4
Methoxychlor	-				-				18	U	ug/kg	18	37	U	ug/kg	37
Endrin ketone	-				-				.58	J	ug/kg	4	1.4	J	ug/kg	4
Endrin aldehyde	-				-				3.6	U	ug/kg	3.6	7.2	U	ug/kg	7.2
alpha-Chlordane	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
gamma-Chlordane	-				-				1.8	U	ug/kg	1.8	3.7	U	ug/kg	3.7
Toxaphene	-				-				180	U	ug/kg	180	180	U	ug/kg	180
Aroclor-1016	-				-				36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1221	-				-				73	U	ug/kg	73	73	U	ug/kg	73
Aroclor-1232	-				-				36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1242	-				-				36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1248	-				-				36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1254	-				-				36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1260	-				-				36	U	ug/kg	36	36	U	ug/kg	36

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NDDMS			A1NDDMSD			A1NDHREMS			A1NDDREMSD		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF7SB17DMS			CF7SB17DMSD			CF7SB17DREMS			CF7SB17DREMSD		
Collect Date:	07-DEC-94			07-DEC-94			07-DEC-94			07-DEC-94		
	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	-			-		
Bromomethane	11 U	ug/kg	11	11 U	ug/kg	11	-			-		
Vinyl chloride	11 U	ug/kg	11	11 U	ug/kg	11	-			-		
Chloroethane	11 U	ug/kg	11	11 U	ug/kg	11	-			-		
Methylene chloride	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Acetone	9 J	ug/kg	11	16	ug/kg	11	-			-		
Carbon disulfide	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
1,1-Dichloroethene	50	ug/kg	11	48	ug/kg	11	-			-		
1,1-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
1,2-Dichloroethene (total)	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Chloroform	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
1,2-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
2-Butanone	4 J	ug/kg	11	4 J	ug/kg	11	-			-		
1,1,1-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Carbon tetrachloride	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Bromodichloromethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
1,2-Dichloropropane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
cis-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Trichloroethene	54	ug/kg	11	53	ug/kg	11	-			-		
Dibromochloromethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
1,1,2-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Benzene	52	ug/kg	11	53	ug/kg	11	-			-		
trans-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Bromoform	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
4-Methyl-2-pentanone	11 U	ug/kg	11	11 U	ug/kg	11	-			-		
2-Hexanone	11 U	ug/kg	11	11 U	ug/kg	11	-			-		
Tetrachloroethene	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Toluene	54	ug/kg	11	52	ug/kg	11	-			-		
1,1,2,2-Tetrachloroethane	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Chlorobenzene	55	ug/kg	11	53	ug/kg	11	-			-		
Ethylbenzene	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Styrene	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
Xylenes (total)	6 U	ug/kg	6	6 U	ug/kg	6	-			-		
CLP SEMIVOLATILES 90-SOW												
Phenol	1900	ug/kg	370	2000	ug/kg	330	1800	ug/kg	370	1900	ug/kg	370
bis(2-Chloroethyl) ether	370 U	ug/kg	370	330 U	ug/kg	330	370 U	ug/kg	370	370 U	ug/kg	370
2-Chlorophenol	1900	ug/kg	370	1900	ug/kg	330	1800	ug/kg	370	1800	ug/kg	370
1,3-Dichlorobenzene	370 U	ug/kg	370	330 U	ug/kg	330	370 U	ug/kg	370	370 U	ug/kg	370
1,4-Dichlorobenzene	1300	ug/kg	370	1300	ug/kg	330	1100	ug/kg	370	1100	ug/kg	370

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NDDMS				A1NDDMSD				A1NDHREMS				A1NDDREMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB17DMS				CF7SB17DMSD				CF7SB17DREMS				CF7SB17DREMSD			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2-Methylphenol	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Methylphenol	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	1300		ug/kg	370	1300		ug/kg	330	1300		ug/kg	370	1300		ug/kg	370
Hexachloroethane	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Nitrobenzene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Isophorone	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitrophenol	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dimethylphenol	370	U	ug/kg	370	330	U	ug/kg	330	370	UJ	ug/kg	370	370	U	ug/kg	370
bis(2-Chloroethoxy) methane	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dichlorophenol	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
1,2,4-Trichlorobenzene	1300		ug/kg	370	1400		ug/kg	330	1100		ug/kg	370	1300		ug/kg	370
Naphthalene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloroaniline	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobutadiene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloro-3-methylphenol	1800		ug/kg	370	2000		ug/kg	330	2000		ug/kg	370	2000		ug/kg	370
2-Methylnaphthalene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorocyclopentadiene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,4,6-Trichlorophenol	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,4,5-Trichlorophenol	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
2-Chloronaphthalene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitroaniline	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
Dimethylphthalate	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Acenaphthylene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,6-Dinitrotoluene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
3-Nitroaniline	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
Acenaphthene	1200		ug/kg	370	1300		ug/kg	330	1300		ug/kg	370	1400		ug/kg	370
2,4-Dinitrophenol	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
4-Nitrophenol	1900		ug/kg	900	2100		ug/kg	800	2400		ug/kg	900	1800		ug/kg	900
Dibenzofuran	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dinitrotoluene	1300		ug/kg	370	1400		ug/kg	330	1700		ug/kg	370	1600		ug/kg	370
Diethylphthalate	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Chlorophenyl-phenylether	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Fluorene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Nitroaniline	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
4,6-Dinitro-2-methylphenol	900	U	ug/kg	900	800	U	ug/kg	800	900	U	ug/kg	900	900	U	ug/kg	900
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
4-Bromophenyl-phenylether	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobenzene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Pentachlorophenol	910		ug/kg	900	1400		ug/kg	800	2400		ug/kg	900	2200		ug/kg	900
Phenanthrene	24	J	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Anthracene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Carbazole	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Di-n-butylphthalate	300	J	ug/kg	370	520		ug/kg	330	50	J	ug/kg	370	66	J	ug/kg	370
Fluoranthene	77	J	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Pyrene	1100		ug/kg	370	1400		ug/kg	330	820		ug/kg	370	1500		ug/kg	370
Butylbenzylphthalate	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
3,3-Dichlorobenzidine	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) anthracene	43	J	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Chrysene	41	J	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
bis(2-Ethylhexyl) phthalate	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8052

Lab Sample Number:	A1NDDMS				A1NDDMSD				A1NDHREMS				A1NDDREMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SB17DMS				CF7SB17DMSD				CF7SB17DREMS				CF7SB17DREMSD			
Collect Date:	07-DEC-94				07-DEC-94				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (b) fluoranthene	24	J	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (k) fluoranthene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) pyrene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Indeno (1,2,3-cd) pyrene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Dibenzo (a,h) anthracene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (g,h,i) perylene	370	U	ug/kg	370	330	U	ug/kg	330	370	U	ug/kg	370	370	U	ug/kg	370
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
beta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
delta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
gamma-BHC (Lindane)	19		ug/kg	2	19		ug/kg	2	-				-			
Heptachlor	18		ug/kg	2	17		ug/kg	2	-				-			
Aldrin	7.7		ug/kg	2	9.2		ug/kg	2	-				-			
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
Endosulfan I	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
Dieldrin	38		ug/kg	4	39		ug/kg	4	-				-			
4,4-DDE	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	-				-			
Endrin	39		ug/kg	4	38		ug/kg	4	-				-			
Endosulfan II	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	-				-			
4,4-DDD	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	-				-			
Endosulfan sulfate	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	-				-			
4,4-DDT	42		ug/kg	4	46		ug/kg	4	-				-			
Methoxychlor	19	U	ug/kg	19	19	U	ug/kg	19	-				-			
Endrin ketone	.67	J	ug/kg	4	.73	J	ug/kg	4	-				-			
Endrin aldehyde	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7	-				-			
alpha-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
gamma-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	-				-			
Toxaphene	190	U	ug/kg	190	190	U	ug/kg	190	-				-			
Aroclor-1016	37	U	ug/kg	37	37	U	ug/kg	37	-				-			
Aroclor-1221	75	U	ug/kg	75	75	U	ug/kg	75	-				-			
Aroclor-1232	37	U	ug/kg	37	37	U	ug/kg	37	-				-			
Aroclor-1242	37	U	ug/kg	37	37	U	ug/kg	37	-				-			
Aroclor-1248	37	U	ug/kg	37	37	U	ug/kg	37	-				-			
Aroclor-1254	37	U	ug/kg	37	37	U	ug/kg	37	-				-			
Aroclor-1260	37	U	ug/kg	37	37	U	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 -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- RE. NO. 8054

Lab Sample Number:	A26KQ				A1M42				A1NDN			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SS19T				CF7SB12T				CF7SB17T			
Collect Date:	09-JAN-95				06-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
Bromomethane	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
Chloroethane	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
Methylene chloride	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Acetone	2	U	ug/l	2	28	J	ug/l	10	10	U	ug/l	10
Carbon disulfide	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethene (total)	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Chloroform	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
2-Butanone	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
1,1,1-Trichloroethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Carbon tetrachloride	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Bromodichloromethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloropropane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
cis-1,3-Dichloropropene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Trichloroethene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Dibromochloromethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,1,2-Trichloroethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Benzene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
trans-1,3-Dichloropropene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Bromoform	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
4-Methyl-2-pentanone	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
2-Hexanone	2	U	ug/l	2	10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Toluene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Chlorobenzene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Ethylbenzene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Styrene	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5
Xylenes (total)	1	U	ug/l	1	5	U	ug/l	5	5	U	ug/l	5

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8056

Lab Sample Number:	A26KL			A1M3T			A1NDH		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF7SS19R			CF7SB12R			CF7SB17R		
Collect Date:	09-JAN-95			06-DEC-94			07-DEC-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW									
Chloromethane	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
Bromomethane	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
Vinyl chloride	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
Chloroethane	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
Methylene chloride	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Acetone	2 U	ug/l	2	19 J	ug/l	10	17 J	ug/l	10
Carbon disulfide	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethene (total)	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Chloroform	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
2-Butanone	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
1,1,1-Trichloroethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Carbon tetrachloride	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Bromodichloromethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloropropane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
cis-1,3-Dichloropropene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Trichloroethene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Dibromochloromethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,1,2-Trichloroethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Benzene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
trans-1,3-Dichloropropene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Bromoform	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
4-Methyl-2-pentanone	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
2-Hexanone	2 U	ug/l	2	10 U	ug/l	10	10 U	ug/l	10
Tetrachloroethene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Toluene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
1,1,2,2-Tetrachloroethane	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Chlorobenzene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Ethylbenzene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Styrene	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
Xylenes (total)	1 U	ug/l	1	5 U	ug/l	5	5 U	ug/l	5
CLP SEMIVOLATILES 90-SOW									
Phenol	.8 J	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroethyl) ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8056

Lab Sample Number:	A26KL				A1M3T				A1NDH			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SS19R				CF7SB12R				CF7SB17R			
Collect Date:	09-JAN-95				06-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
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	UJ	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	4	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8056

Lab Sample Number:	A26KL				A1M3T				A1NDH			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SS19R				CF7SB12R				CF7SB17R			
Collect Date:	09-JAN-95				06-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	3.8	J	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
CLP METALS AND CYANIDE												
Aluminum	25	U	ug/l	200	65.2		ug/l	200	57		ug/l	200
Antimony	2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium	1.2	J	ug/l	200	1.3	J	ug/l	200	1.4	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	60.1		ug/l	5000	110		ug/l	5000	60.6		ug/l	5000
Chromium	8	U	ug/l	10	5.3		ug/l	10	2	U	ug/l	10
Cobalt	1	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	3.9		ug/l	25	2	U	ug/l	25
Iron	17.7	J	ug/l	100	28.6		ug/l	100	67.4		ug/l	100
Lead	2	U	ug/l	3	1	U	ug/l	3	1	U	ug/l	3
Magnesium	12	U	ug/l	5000	31.1	J	ug/l	5000	16.1		ug/l	5000
Manganese	1	U	ug/l	15	10.1	J	ug/l	15	1	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	20.5	J	ug/l	5000	17	U	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	199		ug/l	5000	268		ug/l	5000	196		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Zinc	10.3	J	ug/l	20	15.5	J	ug/l	20	6.8	J	ug/l	20

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8056

Lab Sample Number:	A26KL				A1M3T				A1NDH			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SS19R				CF7SB12R				CF7SB17R			
Collect Date:	09-JAN-95				06-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- FILTERED METALS -- REQ. NO. 8058

Lab Sample Number:	A26KLF				A1M3TF				A1NDHF			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7SS19RF				CF7SB12RF				CF7SB17RF			
Collect Date:	09-JAN-95				06-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	25	U	ug/l	200	76	J	ug/l	200	59.2		ug/l	200
Antimony	11		ug/l	60	8.3	J	ug/l	60	8.4		ug/l	60
Arsenic	5	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium	1	U	ug/l	200	1.1		ug/l	200	1	U	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	69.7		ug/l	5000	122		ug/l	5000	61.7		ug/l	5000
Chromium	8	U	ug/l	10	5	U	ug/l	10	2	U	ug/l	10
Cobalt	1		ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	4.1		ug/l	25	2	U	ug/l	25
Iron	11	U	ug/l	100	33.1		ug/l	100	54.3	J	ug/l	100
Lead	2	U	ug/l	3	1	U	ug/l	3	1	U	ug/l	3
Magnesium	12.3		ug/l	5000	30	U	ug/l	5000	11	U	ug/l	5000
Manganese	1	U	ug/l	15	1.1		ug/l	15	1	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	32.3	J	ug/l	5000	17	U	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	267		ug/l	5000	370		ug/l	5000	188		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Zinc	55.2	J	ug/l	20	12.9	J	ug/l	20	13.7	J	ug/l	20
Cyanide	-				10		ug/l	10	10		ug/l	10

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8053

Lab Sample Number:	A2E50MS				A2E50MSD				A2DNEMS				A2DNEMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW6SMS				CF7MW6SMSD				CF7MW7IMS				CF7MW7IMSD			
Collect Date:	23-JAN-95				23-JAN-95				20-JAN-95				20-JAN-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	9		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	10		ug/l	2	10		ug/l	2	11		ug/l	2	11		ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	11		ug/l	2	10		ug/l	2	11		ug/l	2	11		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	10		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	10		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
CLP SEMIVOLATILES 90-SOW																
Phenol	63		ug/l	20	61		ug/l	20	55		ug/l	10	54		ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	68		ug/l	20	70		ug/l	20	58		ug/l	10	57		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	40		ug/l	20	38		ug/l	20	34		ug/l	10	33		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	46		ug/l	20	38		ug/l	20	35		ug/l	10	35		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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8053

Lab Sample Number:	A2E50MS				A2E50MSD				A2DNEMS				A2DNEMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW6SMS				CF7MW6SMSD				CF7MW7IMS				CF7MW7IMSD			
Collect Date:	23-JAN-95				23-JAN-95				20-JAN-95				20-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	42		ug/l	20	49		ug/l	20	38		ug/l	10	38		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	80		ug/l	20	69		ug/l	20	61		ug/l	10	65		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	49		ug/l	20	48		ug/l	20	40		ug/l	10	43		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	70		ug/l	50	120		ug/l	50	40		ug/l	25	51		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	51		ug/l	20	62		ug/l	20	40		ug/l	10	42		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	90		ug/l	50	120		ug/l	50	66		ug/l	25	75		ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	50		ug/l	20	45		ug/l	20	47		ug/l	10	48		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	2	J	ug/l	20	13		ug/l	10	15		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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8053

Lab Sample Number:	A2E50MS				A2E50MSD				A2DNEMS				A2DNEMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW6SMS				CF7MW6SMSD				CF7MW7IMS				CF7MW7IMSD			
Collect Date:	23-JAN-95				23-JAN-95				20-JAN-95				20-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	.006	J	ug/l	.1	.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)	.49		ug/l	.1	.46		ug/l	.1	.47		ug/l	.05	.55		ug/l	.05
Heptachlor	.51		ug/l	.1	.36		ug/l	.1	.43		ug/l	.05	.47		ug/l	.05
Aldrin	.44		ug/l	.1	.41		ug/l	.1	.37		ug/l	.05	.42		ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.92		ug/l	.2	.89		ug/l	.2	.91		ug/l	.1	1.1		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		ug/l	.2	1		ug/l	.2	1		ug/l	.1	1.1		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	.013	J	ug/l	.1	.015	J	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	.99		ug/l	.2	.93		ug/l	.2	.79		ug/l	.1	.89		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	.03	J	ug/l	.2	.03	J	ug/l	.2	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.03	J	ug/l	.2	.02	J	ug/l	.2	.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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8055

Lab Sample Number:	A2EPN				A2DNM				A2E51				A2C21			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW3DT				CF7MW5DT				CF7MW6ST				CF7MW12ST			
Collect Date:	24-JAN-95				20-JAN-95				23-JAN-95				18-JAN-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8055

Lab Sample Number:	A2CXQ				A3606				A2716			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF7MW13ST				CF7MW14IT				CF7OF1T			
Collect Date:	19-JAN-95				03-MAR-95				10-JAN-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	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	[illegible]				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
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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8057

Lab Sample Number:	A2EPK				A2DNL				A2C1X				A3604			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1SR				CF7MW5DR				CF7MW8SR				CF7MW14IR			
Collect Date:	24-JAN-95				20-JAN-95				18-JAN-95				03-MAR-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	34	J	ug/l	2	2	U	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	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1				
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	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
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	UJ	ug/l	10	10	UJ	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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8057

Lab Sample Number:	A2EPK				A2DNL				A2C1X				A3604			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1SR				CF7MW5DR				CF7MW8SR				CF7MW14IR			
Collect Date:	24-JAN-95				20-JAN-95				18-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	UJ	ug/l	25	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	UJ	ug/l	25	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	UJ	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	2	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8057

Lab Sample Number:	A2EPK				A2DNL				A2C1X				A3604			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1SR				CF7MW5DR				CF7MW8SR				CF7MW14IR			
Collect Date:	24-JAN-95				20-JAN-95				18-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	.05	U	ug/l	.05	.003	R	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	R	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.008	R	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.005	J	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
CLP METALS AND CYANIDE																
Aluminum	30.6		ug/l	200	93		ug/l	200	25	U	ug/l	200	164		ug/l	200
Antimony	2	UJ	ug/l	60	2	UJ	ug/l	60	2	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	1	U	ug/l	200	1	U	ug/l	200	1	U	ug/l	200	1.4		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	74.7	J	ug/l	5000	29	UJ	ug/l	5000	302		ug/l	5000	366		ug/l	5000
Chromium	1	U	ug/l	10	1.5	J	ug/l	10	8	U	ug/l	10	1	U	ug/l	10
Cobalt	1	U	ug/l	50	1	U	ug/l	50	1.1		ug/l	50	1	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	11	U	ug/l	100	12.9		ug/l	100	36.3	J	ug/l	100	40.5		ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3	4.7		ug/l	5
Magnesium	12	U	ug/l	5000	12	U	ug/l	5000	17.1		ug/l	5000	31.1		ug/l	5000
Manganese	1.2		ug/l	15	1	U	ug/l	15	1	U	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	2	U	ug/l	40	2	U	ug/l	40	2.3		ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	59	U	ug/l	5000	59	U	ug/l	5000	65.9		ug/l	5000
Selenium	4	UJ	ug/l	5	4	UJ	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	439		ug/l	5000	896		ug/l	5000	163		ug/l	5000	1010		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50	1.4		ug/l	50
Zinc	1	UJ	ug/l	20	1	UJ	ug/l	20	6.3	J	ug/l	20	28		ug/l	20

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8057

Lab Sample Number:	A2EPK				A2DNL				A2C1X				A3604			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7MW1SR				CF7MW5DR				CF7MW8SR				CF7MW14IR			
Collect Date:	24-JAN-95				20-JAN-95				18-JAN-95				03-MAR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- WATER
QA/QC SAMPLES -- RINSATE BLANKS -- FILTERED METALS -- REQ. NO. 8059

Lab Sample Number:	A3604F
Site	CECIL3
Locator	CF7MW14RF
Collect Date:	03-MAR-95

	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	85.1		ug/l	200
Antimony	7.3		ug/l	60
Arsenic	5	U	ug/l	10
Barium	1	U	ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	1	U	ug/l	5
Calcium	96.5		ug/l	5000
Chromium	1	U	ug/l	10
Cobalt	1.1		ug/l	50
Copper	2	U	ug/l	25
Iron	11	U	ug/l	100
Lead	2	U	ug/l	5
Magnesium	12	U	ug/l	5000
Manganese	1	U	ug/l	15
Mercury	.2	U	ug/l	.2
Nickel	2	U	ug/l	40
Potassium	33.5		ug/l	5000
Selenium	4	U	ug/l	5
Silver	1	U	ug/l	10
Sodium	119		ug/l	5000
Thallium	6	U	ug/l	10
Vanadium	1	U	ug/l	50
Zinc	13.3		ug/l	20
Cyanide	-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- ALL FRACTIONS
QA/QC SAMPLES -- ORGANIC FREE (OF) & SCOURCE (SC) -- REQ. NO. 8064

Lab Sample Number:	A2715				A2713			
Site	CECIL3				CECIL3			
Locator	CF7OF1				CF7SC1			
Collect Date:	10-JAN-95				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	2	U	ug/l	2	2	U	ug/l	2
Bromomethane	2	U	ug/l	2	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2
Chloroethane	2	U	ug/l	2	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1
Acetone	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	5		ug/l	2
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	3		ug/l	
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1		ug/l	2
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1
CLP SEMIVOLATILES 90-SOW								
Phenol	10	U	ug/l	10	10	R	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	R	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	R	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	R	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	R	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	R	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- ALL FRACTIONS
QA/QC SAMPLES -- ORGANIC FREE (OF) & SCOURCE (SC) -- REQ. NO. 8064

Lab Sample Number:	A2715				A2713			
Site	CECIL3				CECIL3			
Locator	CF7OF1				CF7SC1			
Collect Date:	10-JAN-95				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	R	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10	10	R	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	R	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	R	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	R	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	R	ug/l	25
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	R	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	R	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	.6	J	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	UJ	ug/l	10	10	UJ	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	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
Dibenzo (a,h) anthracene	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
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- ALL FRACTIONS
QA/QC SAMPLES -- ORGANIC FREE (OF) & SCOURCE (SC) -- REQ. NO. 8064

Lab Sample Number:	A2715				A2713			
Site	CECIL3				CECIL3			
Locator	CF7OF1				CF7SC1			
Collect Date:	10-JAN-95				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1
CLP METALS AND CYANIDE								
Aluminum	25	U	ug/l	200	25	U	ug/l	200
Antimony	2	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10
Barium	1	U	ug/l	200	15.9		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5
Calcium	67.5	U	ug/l	5000	29500		ug/l	5000
Chromium	8	U	ug/l	10	8	U	ug/l	10
Cobalt	1.3	U	ug/l	50	1	U	ug/l	50
Copper	2	U	ug/l	25	10.4		ug/l	25
Iron	11	UJ	ug/l	100	59.9	UJ	ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3
Magnesium	12	U	ug/l	5000	12800		ug/l	5000
Manganese	1	U	ug/l	15	1.5	J	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	1410		ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10
Sodium	84.6		ug/l	5000	5510		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50
Zinc	1.9	UJ	ug/l	20	81.2	UJ	ug/l	20

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- ALL FRACTIONS
QA/QC SAMPLES -- ORGANIC FREE (OF) & SCOURCE (SC) -- REQ. NO. 8064

Lab Sample Number:	A2715				A2713			
Site	CECIL3				CECIL3			
Locator	CF7OF1				CF7SC1			
Collect Date:	10-JAN-95				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Cyanide	10	U	ug/l	10	10	U	ug/l	10

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 7 -- METALS (FILTERED)
QA/QC SAMPLES -- ORGANIC FREE (OF) & SCOURCE (SC) -- REQ. NO. 8067

Lab Sample Number:	A2715F				A2713F			
Site	CECIL3				CECIL3			
Locator	CF7OF1F				CF7SC1F			
Collect Date:	10-JAN-95				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	25	U	ug/l	200	25	U	ug/l	200
Antimony	7.3	U	ug/l	60	7.2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10
Barium	1	U	ug/l	200	15.2		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5
Calcium	49.3	U	ug/l	5000	28100		ug/l	5000
Chromium	8	U	ug/l	10	8	U	ug/l	10
Cobalt	1.3	U	ug/l	50	1	U	ug/l	50
Copper	2	U	ug/l	25	7.7		ug/l	25
Iron	11	UJ	ug/l	100	31	UJ	ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3
Magnesium	12	U	ug/l	5000	12300		ug/l	5000
Manganese	1	U	ug/l	15	1.9	J	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	1440		ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10
Sodium	195		ug/l	5000	5410		ug/l	5000
Thallium	6	U	ug/l	10	6	U	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50
Zinc	7	UJ	ug/l	20	71.4	UJ	ug/l	20
Cyanide	-				-			

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

Section 1.5

Site 7, Sample Re-extractions and Dilutions

NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
RE-EXTRACTIONS -- PESTICIDES AND PCBs -- REQ. NO. 7411

Lab Sample Number:		A1M3NRE				A1M3GRE			
Site		CECIL3				CECIL3			
Locator		CF7SB10DRE				CF7SB5RE			
Collect Date:		06-DEC-94				06-DEC-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW	ug/kg								
alpha-BHC		2	R	ug/kg	2	2	R	ug/kg	2
beta-BHC		2	R	ug/kg	2	2	R	ug/kg	2
delta-BHC		2	R	ug/kg	2	2	R	ug/kg	2
gamma-BHC (Lindane)		2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor		2	R	ug/kg	2	2	R	ug/kg	2
Aldrin		2	R	ug/kg	2	2	R	ug/kg	2
Heptachlor epoxide		2	R	ug/kg	2	2	R	ug/kg	2
Endosulfan I		2	R	ug/kg	2	2	R	ug/kg	2
Dieldrin		3.9	R	ug/kg	3.9	4	R	ug/kg	4
4,4-DDE		3.9	R	ug/kg	3.9	4	R	ug/kg	4
Endrin		3.9	R	ug/kg	3.9	4	R	ug/kg	4
Endosulfan II		3.9	R	ug/kg	3.9	4	R	ug/kg	4
4,4-DDD		3.9	R	ug/kg	3.9	.63	R	ug/kg	4
Endosulfan sulfate		3.9	R	ug/kg	3.9	4	R	ug/kg	4
4,4-DDT		3.9	R	ug/kg	3.9	4	R	ug/kg	4
Methoxychlor		20	R	ug/kg	20	20	R	ug/kg	20
Endrin ketone		3.9	R	ug/kg	3.9	4	R	ug/kg	4
Endrin aldehyde		3.9	R	ug/kg	3.9	4	R	ug/kg	4
alpha-Chlordane		2	R	ug/kg	2	2	R	ug/kg	2
gamma-Chlordane		2	R	ug/kg	2	2	R	ug/kg	2
Toxaphene		200	R	ug/kg	200	200	R	ug/kg	200
Aroclor-1016		39	R	ug/kg	39	40	R	ug/kg	40
Aroclor-1221		80	R	ug/kg	80	81	R	ug/kg	81
Aroclor-1232		39	R	ug/kg	39	40	R	ug/kg	40
Aroclor-1242		39	R	ug/kg	39	40	R	ug/kg	40
Aroclor-1248		39	R	ug/kg	39	40	R	ug/kg	40
Aroclor-1254		39	R	ug/kg	39	40	R	ug/kg	40
Aroclor-1260		39	R	ug/kg	39	40	R	ug/kg	40

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NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
RE-EXTRACTIONS -- SEMIVOLATILES -- REQ. NO. 8060

Lab Sample Number:	A1NDDRE				A2713RE			
Site	CECIL3				CECIL3			
Locator	CF7SB17DRE				CF7SC1RE			
Collect Date:	07-DEC-94				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	370	UJ	ug/kg	370	10	R	ug/l	10
bis(2-Chloroethyl) ether	370	UJ	ug/kg	370	10	U	ug/l	10
2-Chlorophenol	370	UJ	ug/kg	370	10	R	ug/l	10
1,3-Dichlorobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
1,4-Dichlorobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
1,2-Dichlorobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
2-Methylphenol	370	UJ	ug/kg	370	10	R	ug/l	10
2,2-oxybis(1-Chloropropane)	370	UJ	ug/kg	370	10	U	ug/l	10
4-Methylphenol	370	UJ	ug/kg	370	10	R	ug/l	10
N-Nitroso-di-n-propylamine	370	UJ	ug/kg	370	10	U	ug/l	10
Hexachloroethane	370	UJ	ug/kg	370	10	U	ug/l	10
Nitrobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
Isophorone	370	UJ	ug/kg	370	10	U	ug/l	10
2-Nitrophenol	370	UJ	ug/kg	370	10	R	ug/l	10
2,4-Dimethylphenol	370	UJ	ug/kg	370	10	R	ug/l	10
bis(2-Chloroethoxy) methane	370	UJ	ug/kg	370	10	U	ug/l	10
2,4-Dichlorophenol	370	UJ	ug/kg	370	10	R	ug/l	10
1,2,4-Trichlorobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
Naphthalene	370	UJ	ug/kg	370	10	U	ug/l	10
4-Chloroaniline	370	UJ	ug/kg	370	10	U	ug/l	10
Hexachlorobutadiene	370	UJ	ug/kg	370	10	U	ug/l	10
4-Chloro-3-methylphenol	370	UJ	ug/kg	370	10	R	ug/l	10
2-Methylnaphthalene	370	UJ	ug/kg	370	10	U	ug/l	10
Hexachlorocyclopentadiene	370	UJ	ug/kg	370	10	U	ug/l	10
2,4,6-Trichlorophenol	370	UJ	ug/kg	370	10	R	ug/l	10
2,4,5-Trichlorophenol	900	UJ	ug/kg	900	25	R	ug/l	25
2-Chloronaphthalene	370	UJ	ug/kg	370	10	U	ug/l	10
2-Nitroaniline	900	UJ	ug/kg	900	25	U	ug/l	25
Dimethylphthalate	370	UJ	ug/kg	370	10	U	ug/l	10
Acenaphthylene	370	UJ	ug/kg	370	10	U	ug/l	10
2,6-Dinitrotoluene	370	UJ	ug/kg	370	10	U	ug/l	10
3-Nitroaniline	900	UJ	ug/kg	900	25	U	ug/l	25
Acenaphthene	370	UJ	ug/kg	370	10	U	ug/l	10
2,4-Dinitrophenol	900	UJ	ug/kg	900	25	R	ug/l	25
4-Nitrophenol	900	UJ	ug/kg	900	25	R	ug/l	25
Dibenzofuran	370	UJ	ug/kg	370	10	U	ug/l	10
2,4-Dinitrotoluene	370	UJ	ug/kg	370	10	U	ug/l	10
Diethylphthalate	370	UJ	ug/kg	370	10	U	ug/l	10
4-Chlorophenyl-phenylether	370	UJ	ug/kg	370	10	U	ug/l	10
Fluorene	370	UJ	ug/kg	370	10	U	ug/l	10
4-Nitroaniline	900	UJ	ug/kg	900	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	900	UJ	ug/kg	900	25	R	ug/l	25
N-Nitrosodiphenylamine (1)	370	UJ	ug/kg	370	10	U	ug/l	10
4-Bromophenyl-phenylether	370	UJ	ug/kg	370	10	U	ug/l	10
Hexachlorobenzene	370	UJ	ug/kg	370	10	U	ug/l	10
Pentachlorophenol	900	UJ	ug/kg	900	25	R	ug/l	25
Phenanthrene	370	UJ	ug/kg	370	10	U	ug/l	10
Anthracene	370	UJ	ug/kg	370	10	U	ug/l	10
Carbazole	370	UJ	ug/kg	370	10	U	ug/l	10
Di-n-butylphthalate	370	UJ	ug/kg	370	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
RE-EXTRACTIONS -- SEMIVOLATILES -- REQ. NO. 8060

Lab Sample Number:	A1NDDRE				A2713RE			
Site	CECIL3				CECIL3			
Locator	CF7SB17DRE				CF7SC1RE			
Collect Date:	07-DEC-94				10-JAN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	370	UJ	ug/kg	370	10	U	ug/l	10
Pyrene	370	UJ	ug/kg	370	10	U	ug/l	10
Butylbenzylphthalate	370	UJ	ug/kg	370	10	U	ug/l	10
3,3-Dichlorobenzidine	370	UJ	ug/kg	370	10	U	ug/l	10
Benzo (a) anthracene	370	UJ	ug/kg	370	10	U	ug/l	10
Chrysene	370	UJ	ug/kg	370	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	370	UJ	ug/kg	370	10	U	ug/l	10
Di-n-octylphthalate	370	UJ	ug/kg	370	10	U	ug/l	10
Benzo (b) fluoranthene	370	UJ	ug/kg	370	10	U	ug/l	10
Benzo (k) fluoranthene	370	UJ	ug/kg	370	10	U	ug/l	10
Benzo (a) pyrene	370	UJ	ug/kg	370	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	370	UJ	ug/kg	370	10	U	ug/l	10
Dibenzo (a,h) anthracene	370	UJ	ug/kg	370	10	U	ug/l	10
Benzo (g,h,i) perylene	370	UJ	ug/kg	370	10	U	ug/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
DILUTIONS -- SEMIVOLATILES -- REQ. NO. 8061

Lab Sample Number:	A26J2DL				A26J4DL				A1NCGDL				A1NCMDL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS10DDL				CF7SS12DL				CF7SB13DL				CF7SB14DL			
Collect Date:	09-JAN-95				09-JAN-95				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
bis(2-Chloroethyl) ether	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2-Chlorophenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
1,3-Dichlorobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
1,4-Dichlorobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
1,2-Dichlorobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2-Methylphenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,2-oxybis(1-Chloropropane)	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Methylphenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
N-Nitroso-di-n-propylamine	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Hexachloroethane	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Nitrobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Isophorone	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2-Nitrophenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4-Dimethylphenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
bis(2-Chloroethoxy) methane	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4-Dichlorophenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
1,2,4-Trichlorobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Naphthalene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Chloroaniline	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Hexachlorobutadiene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Chloro-3-methylphenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2-Methylnaphthalene	700	U	ug/kg	700	170	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Hexachlorocyclopentadiene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4,6-Trichlorophenol	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4,5-Trichlorophenol	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
2-Chloronaphthalene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2-Nitroaniline	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
Dimethylphthalate	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Acenaphthylene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,6-Dinitrotoluene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
3-Nitroaniline	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
Acenaphthene	700	U	ug/kg	700	350	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4-Dinitrophenol	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
4-Nitrophenol	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
Dibenzofuran	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
2,4-Dinitrotoluene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Diethylphthalate	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Chlorophenyl-phenylether	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Fluorene	700	U	ug/kg	700	330	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Nitroaniline	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
N-Nitrosodiphenylamine (1)	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
4-Bromophenyl-phenylether	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Hexachlorobenzene	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Pentachlorophenol	1700	U	ug/kg	1700	6200	U	ug/kg	6200	2400	U	ug/kg	2400	1900	U	ug/kg	1900
Phenanthrene	270	J	ug/kg	700	4700		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Anthracene	100	J	ug/kg	700	860	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Carbazole	60	J	ug/kg	700	740	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Di-n-butylphthalate	240	J	ug/kg	700	3300		ug/kg	2500	4900		ug/kg	990	4200		ug/kg	780

NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
DILUTIONS -- SEMIVOLATILES -- REQ. NO. 8061

Lab Sample Number:	A26J2DL				A26J4DL				A1NCGDL				A1NCMDL			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF7SS10DDL				CF7SS12DL				CF7SB13DL				CF7SB14DL			
Collect Date:	09-JAN-95				09-JAN-95				07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	1100		ug/kg	700	11000		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Pyrene	1200		ug/kg	700	7800		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Butylbenzylphthalate	160	J	ug/kg	700	720	J	ug/kg	2500	1000	U	ug/kg	1000	150	J	ug/kg	780
3,3-Dichlorobenzidine	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Benzo (a) anthracene	1400		ug/kg	700	6600		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Chrysene	1500		ug/kg	700	6700		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
bis(2-Ethylhexyl) phthalate	100	J	ug/kg	700	610	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Di-n-octylphthalate	700	U	ug/kg	700	2600	U	ug/kg	2600	1000	U	ug/kg	1000	780	U	ug/kg	780
Benzo (b) fluoranthene	2800	J	ug/kg	700	11000	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Benzo (k) fluoranthene	1000	J	ug/kg	700	4000	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Benzo (a) pyrene	2200	J	ug/kg	700	7400	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Indeno (1,2,3-cd) pyrene	1400	J	ug/kg	700	4800	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Dibenzo (a,h) anthracene	560	J	ug/kg	700	1400	J	ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780
Benzo (g,h,i) perylene	1500		ug/kg	700	5100		ug/kg	2500	1000	U	ug/kg	1000	780	U	ug/kg	780

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

NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
DILUTIONS -- SEMIVOLATILES -- REQ. NO. 8061

Lab Sample Number:	A1NCNDL				A1NCQDL			
Site	CECIL3				CECIL3			
Locator	CF7SB16DL				CF7SB17DL			
Collect Date:	07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW								
Phenol	720	U	ug/kg	720	760	U	ug/kg	760
bis(2-Chloroethyl) ether	720	U	ug/kg	720	760	U	ug/kg	760
2-Chlorophenol	720	U	ug/kg	720	760	U	ug/kg	760
1,3-Dichlorobenzene	720	U	ug/kg	720	760	U	ug/kg	760
1,4-Dichlorobenzene	720	U	ug/kg	720	760	U	ug/kg	760
1,2-Dichlorobenzene	720	U	ug/kg	720	760	U	ug/kg	760
2-Methylphenol	720	U	ug/kg	720	760	U	ug/kg	760
2,2-oxybis(1-Chloropropane)	720	U	ug/kg	720	760	U	ug/kg	760
4-Methylphenol	720	U	ug/kg	720	760	U	ug/kg	760
N-Nitroso-di-n-propylamine	720	U	ug/kg	720	760	U	ug/kg	760
Hexachloroethane	720	U	ug/kg	720	760	U	ug/kg	760
Nitrobenzene	720	U	ug/kg	720	760	U	ug/kg	760
Isophorone	720	U	ug/kg	720	760	U	ug/kg	760
2-Nitrophenol	720	U	ug/kg	720	760	U	ug/kg	760
2,4-Dimethylphenol	720	U	ug/kg	720	760	U	ug/kg	760
bis(2-Chloroethoxy) methane	720	U	ug/kg	720	760	U	ug/kg	760
2,4-Dichlorophenol	720	U	ug/kg	720	760	U	ug/kg	760
1,2,4-Trichlorobenzene	720	U	ug/kg	720	760	U	ug/kg	760
Naphthalene	720	U	ug/kg	720	760	U	ug/kg	760
4-Chloroaniline	720	U	ug/kg	720	760	U	ug/kg	760
Hexachlorobutadiene	720	U	ug/kg	720	760	U	ug/kg	760
4-Chloro-3-methylphenol	720	U	ug/kg	720	760	U	ug/kg	760
2-Methylnaphthalene	720	U	ug/kg	720	760	U	ug/kg	760
Hexachlorocyclopentadiene	720	U	ug/kg	720	760	U	ug/kg	760
2,4,6-Trichlorophenol	720	U	ug/kg	720	760	U	ug/kg	760
2,4,5-Trichlorophenol	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Chloronaphthalene	720	U	ug/kg	720	760	U	ug/kg	760
2-Nitroaniline	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Dimethylphthalate	720	U	ug/kg	720	760	U	ug/kg	760
Acenaphthylene	720	U	ug/kg	720	760	U	ug/kg	760
2,6-Dinitrotoluene	720	U	ug/kg	720	760	U	ug/kg	760
3-Nitroaniline	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Acenaphthene	720	U	ug/kg	720	760	U	ug/kg	760
2,4-Dinitrophenol	1700	U	ug/kg	1700	1800	U	ug/kg	1800
4-Nitrophenol	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Dibenzofuran	720	U	ug/kg	720	760	U	ug/kg	760
2,4-Dinitrotoluene	720	U	ug/kg	720	760	U	ug/kg	760
Diethylphthalate	720	U	ug/kg	720	760	U	ug/kg	760
4-Chlorophenyl-phenylether	720	U	ug/kg	720	760	U	ug/kg	760
Fluorene	720	U	ug/kg	720	760	U	ug/kg	760

NAS CECIL FIELD -- OPERABLE UNIT 3 -- SITE 7
DILUTIONS -- SEMIVOLATILES -- REQ. NO. 8061

Lab Sample Number:	A1NCNDL				A1NCQDL			
Site	CECIL3				CECIL3			
Locator	CF7SB16DL				CF7SB17DL			
Collect Date:	07-DEC-94				07-DEC-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	1700	U	ug/kg	1700	1800	U	ug/kg	1800
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	720	U	ug/kg	720	760	U	ug/kg	760
4-Bromophenyl-phenylether	720	U	ug/kg	720	760	U	ug/kg	760
Hexachlorobenzene	720	U	ug/kg	720	760	U	ug/kg	760
Pentachlorophenol	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Phenanthrene	720	U	ug/kg	720	760	U	ug/kg	760
Anthracene	720	U	ug/kg	720	760	U	ug/kg	760
Carbazole	720	U	ug/kg	720	760	U	ug/kg	760
Di-n-butylphthalate	4200		ug/kg	720	5000		ug/kg	760
Fluoranthene	720	U	ug/kg	720	760	U	ug/kg	760
Pyrene	720	U	ug/kg	720	760	U	ug/kg	760
Butylbenzylphthalate	720	U	ug/kg	720	350	J	ug/kg	760
3,3-Dichlorobenzidine	720	U	ug/kg	720	760	U	ug/kg	760
Benzo (a) anthracene	720	U	ug/kg	720	760	U	ug/kg	760
Chrysene	720	U	ug/kg	720	760	U	ug/kg	760
bis(2-Ethylhexyl) phthalate	720	U	ug/kg	720	190	J	ug/kg	760
Di-n-octylphthalate	720	U	ug/kg	720	760	U	ug/kg	760
Benzo (b) fluoranthene	720	U	ug/kg	720	760	U	ug/kg	760
Benzo (k) fluoranthene	720	U	ug/kg	720	760	U	ug/kg	760
Benzo (a) pyrene	720	U	ug/kg	720	760	U	ug/kg	760
Indeno (1,2,3-cd) pyrene	720	U	ug/kg	720	760	U	ug/kg	760
Dibenzo (a,h) anthracene	720	U	ug/kg	720	760	U	ug/kg	760
Benzo (g,h,i) perylene	720	U	ug/kg	720	760	U	ug/kg	760

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Section 1.6

Site 8, Confirmatory Surface Soil Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WM4				A2WM8				A2WM5				A2WM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11
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	11	U	ug/kg	11	6	J	ug/kg	11
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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
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	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	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	3	J	ug/kg	11	5	U	ug/kg	5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WMA				A2WMC				A2WMD				A2WME			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS5				CF8SS6				CF8SS7				CF8SS8			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetone	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11
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	11	U	ug/kg	11	11	U	ug/kg	11
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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
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	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	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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WMF				A2WMG				A2WMH				A2WMJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS9				CF8SS10				CF8SS11				CF8SS11D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	15	UJ	ug/kg	15	11	UJ	ug/kg	11	12	UJ	ug/kg	12	12	UJ	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	3	J	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WMK				A2WML				A2WMP				A2WMR			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS12				CF8SS13				CF8SS14				CF8SS15			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Acetone	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11
Carbon disulfide	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Chloroform	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Carbon tetrachloride	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Bromodichloromethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Trichloroethene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Dibromochloromethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2-Trichloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Benzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Bromoform	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	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	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Toluene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Chlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Ethylbenzene	5	U	ug/kg	5	2	J	ug/kg	11	5	U	ug/kg	5	6	U	ug/kg	6
Styrene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6
Xylenes (total)	5	U	ug/kg	5	2	J	ug/kg	11	3	J	ug/kg	11	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WMT				A2WMW				A2WRH				A2WNO			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS16				CF8SS16D				CF8SS17				CF8SS18			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	17	UJ	ug/kg	17	11	UJ	ug/kg	11	11	U	ug/kg	11	11	UJ	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	2	J	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	3	J	ug/kg	11	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WRJ			A2WRL			A2WRM			A2WRP		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SS19			CF8SS20			CF8SS20D			CF8SS21		
Collect Date:	19-FEB-95			19-FEB-95			19-FEB-95			19-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
Bromomethane	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
Vinyl chloride	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
Chloroethane	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
Methylene chloride	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Acetone	12 UJ	ug/kg	12	11 UJ	ug/kg	11	11 UJ	ug/kg	11	13 U	ug/kg	13
Carbon disulfide	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,1-Dichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,1-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,2-Dichloroethene (total)	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Chloroform	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,2-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
2-Butanone	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
1,1,1-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Carbon tetrachloride	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Bromodichloromethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,2-Dichloropropane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
cis-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Trichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Dibromochloromethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,1,2-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Benzene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
trans-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Bromoform	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
4-Methyl-2-pentanone	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
2-Hexanone	12 U	ug/kg	12	11 U	ug/kg	11	11 U	ug/kg	11	13 U	ug/kg	13
Tetrachloroethene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Toluene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
1,1,2,2-Tetrachloroethane	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Chlorobenzene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Ethylbenzene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Styrene	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7
Xylenes (total)	6 U	ug/kg	6	6 U	ug/kg	6	6 U	ug/kg	6	7 U	ug/kg	7

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- VOLATILES -- REQ. NO. 7385

Lab Sample Number:	A2WRQ				A2WRR			
Site	CECIL3				CECIL3			
Locator	CF8SS22				CF8SS23			
Collect Date:	19-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW								
Chloromethane	13	U	ug/kg	13	17	U	ug/kg	17
Bromomethane	13	U	ug/kg	13	17	U	ug/kg	17
Vinyl chloride	13	U	ug/kg	13	17	U	ug/kg	17
Chloroethane	13	U	ug/kg	13	17	U	ug/kg	17
Methylene chloride	6	U	ug/kg	6	8	U	ug/kg	8
Acetone	13	U	ug/kg	13	17	U	ug/kg	17
Carbon disulfide	6	U	ug/kg	6	8	U	ug/kg	8
1,1-Dichloroethene	6	U	ug/kg	6	8	U	ug/kg	8
1,1-Dichloroethane	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethene (total)	6	U	ug/kg	6	8	U	ug/kg	8
Chloroform	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloroethane	6	U	ug/kg	6	8	U	ug/kg	8
2-Butanone	13	U	ug/kg	13	17	U	ug/kg	17
1,1,1-Trichloroethane	6	U	ug/kg	6	8	U	ug/kg	8
Carbon tetrachloride	6	U	ug/kg	6	8	U	ug/kg	8
Bromodichloromethane	6	U	ug/kg	6	8	U	ug/kg	8
1,2-Dichloropropane	6	U	ug/kg	6	8	U	ug/kg	8
cis-1,3-Dichloropropene	6	U	ug/kg	6	8	U	ug/kg	8
Trichloroethene	6	U	ug/kg	6	8	U	ug/kg	8
Dibromochloromethane	6	U	ug/kg	6	8	U	ug/kg	8
1,1,2-Trichloroethane	6	U	ug/kg	6	8	U	ug/kg	8
Benzene	6	U	ug/kg	6	8	U	ug/kg	8
trans-1,3-Dichloropropene	6	U	ug/kg	6	8	U	ug/kg	8
Bromoform	6	U	ug/kg	6	8	U	ug/kg	8
4-Methyl-2-pentanone	13	U	ug/kg	13	17	U	ug/kg	17
2-Hexanone	13	U	ug/kg	13	17	U	ug/kg	17
Tetrachloroethene	6	U	ug/kg	6	8	U	ug/kg	8
Toluene	6	U	ug/kg	6	8	U	ug/kg	8
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	8	U	ug/kg	8
Chlorobenzene	6	U	ug/kg	6	8	U	ug/kg	8
Ethylbenzene	6	U	ug/kg	6	8	U	ug/kg	8
Styrene	6	U	ug/kg	6	8	U	ug/kg	8
Xylenes (total)	6	U	ug/kg	6	8	U	ug/kg	8

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WM4				A2WM8				A2WM5				A2WM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
bis(2-Chloroethyl) ether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2-Chlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
1,3-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
1,4-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
1,2-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2-Methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,2-oxybis(1-Chloropropane)	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
N-Nitroso-di-n-propylamine	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Hexachloroethane	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Nitrobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Isophorone	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2-Nitrophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dimethylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
bis(2-Chloroethoxy) methane	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dichlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
1,2,4-Trichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Naphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Chloroaniline	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorobutadiene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Chloro-3-methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2-Methylnaphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorocyclopentadiene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4,6-Trichlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4,5-Trichlorophenol	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
2-Chloronaphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2-Nitroaniline	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
Dimethylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Acenaphthylene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,6-Dinitrotoluene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
3-Nitroaniline	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
Acenaphthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dinitrophenol	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
4-Nitrophenol	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
Dibenzofuran	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
2,4-Dinitrotoluene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Diethylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Chlorophenyl-phenylether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Fluorene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Nitroaniline	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
4,6-Dinitro-2-methylphenol	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
4-Bromophenyl-phenylether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Pentachlorophenol	850	U	ug/kg	850	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860
Phenanthrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Carbazole	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Di-n-butylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	23	J	ug/kg	350

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WM4				A2WM8				A2WM5				A2WM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Butylbenzylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
3,3-Dichlorobenzidine	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Benzo (a) anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Chrysene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
bis(2-Ethylhexyl) phthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Di-n-octylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Benzo (b) fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Benzo (k) fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Benzo (a) pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Indeno (1,2,3-cd) pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Dibenzo (a,h) anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360
Benzo (g,h,i) perylene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	360	U	ug/kg	360

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMA				A2WMC				A2WMD				A2WME			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS5				CF8SS6				CF8SS7				CF8SS8			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
bis(2-Chloroethyl) ether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2-Chlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
1,3-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
1,4-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
1,2-Dichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2-Methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,2-oxybis(1-Chloropropane)	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
4-Methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
N-Nitroso-di-n-propylamine	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Hexachloroethane	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Nitrobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Isophorone	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2-Nitrophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dimethylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
bis(2-Chloroethoxy) methane	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dichlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
1,2,4-Trichlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Naphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
4-Chloroaniline	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorobutadiene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
4-Chloro-3-methylphenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2-Methylnaphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorocyclopentadiene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4,6-Trichlorophenol	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4,5-Trichlorophenol	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
2-Chloronaphthalene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2-Nitroaniline	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
Dimethylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Acenaphthylene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,6-Dinitrotoluene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
3-Nitroaniline	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
Acenaphthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dinitrophenol	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
4-Nitrophenol	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
Dibenzofuran	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
2,4-Dinitrotoluene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Diethylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
4-Chlorophenyl-phenylether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Fluorene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMA				A2WMC				A2WMD				A2WME			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS5				CF8SS6				CF8SS7				CF8SS8			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
4,6-Dinitro-2-methylphenol	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
4-Bromophenyl-phenylether	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Hexachlorobenzene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Pentachlorophenol	860	U	ug/kg	860	870	U	ug/kg	870	880	U	ug/kg	880	850	U	ug/kg	850
Phenanthrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Carbazole	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Di-n-butylphthalate	20	J	ug/kg	350	25	J	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Butylbenzylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
3,3-Dichlorobenzidine	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (a) anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Chrysene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
bis(2-Ethylhexyl) phthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	21	J	ug/kg	350
Di-n-octylphthalate	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (b) fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (k) fluoranthene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (a) pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Indeno (1,2,3-cd) pyrene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Dibenzo (a,h) anthracene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350
Benzo (g,h,i) perylene	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMF			A2WMG			A2WMH			A2WMJ		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SS9			CF8SS10			CF8SS11			CF8SS11D		
Collect Date:	19-FEB-95			19-FEB-95			19-FEB-95			19-FEB-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	380 U	ug/kg	380	390 U	ug/kg	390
bis(2-Chloroethyl) ether	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2-Chlorophenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
1,3-Dichlorobenzene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
1,4-Dichlorobenzene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
1,2-Dichlorobenzene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2-Methylphenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,2-oxybis(1-Chloropropane)	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
4-Methylphenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
N-Nitroso-di-n-propylamine	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Hexachloroethane	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Nitrobenzene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Isophorone	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2-Nitrophenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4-Dimethylphenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
bis(2-Chloroethoxy) methane	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4-Dichlorophenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
1,2,4-Trichlorobenzene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Naphthalene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
4-Chloroaniline	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Hexachlorobutadiene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
4-Chloro-3-methylphenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2-Methylnaphthalene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Hexachlorocyclopentadiene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4,6-Trichlorophenol	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4,5-Trichlorophenol	920 U	ug/kg	920	870 U	ug/kg	870	920 U	ug/kg	920	940 U	ug/kg	940
2-Chloronaphthalene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2-Nitroaniline	920 U	ug/kg	920	870 U	ug/kg	870	920 U	ug/kg	920	940 U	ug/kg	940
Dimethylphthalate	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Acenaphthylene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,6-Dinitrotoluene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
3-Nitroaniline	920 U	ug/kg	920	870 U	ug/kg	870	920 U	ug/kg	920	940 U	ug/kg	940
Acenaphthene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4-Dinitrophenol	920 U	ug/kg	920	870 U	ug/kg	870	920 U	ug/kg	920	940 U	ug/kg	940
4-Nitrophenol	920 U	ug/kg	920	870 U	ug/kg	870	920 U	ug/kg	920	940 U	ug/kg	940
Dibenzofuran	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
2,4-Dinitrotoluene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Diethylphthalate	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
4-Chlorophenyl-phenylether	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390
Fluorene	380 U	ug/kg	380	360 U	ug/kg	360	380 U	ug/kg	380	390 U	ug/kg	390

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMF				A2WMG				A2WMH				A2WMJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS9				CF8SS10				CF8SS11				CF8SS11D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	920	U	ug/kg	920	870	U	ug/kg	870	920	U	ug/kg	920	940	U	ug/kg	940
4,6-Dinitro-2-methylphenol	920	U	ug/kg	920	870	U	ug/kg	870	920	U	ug/kg	920	940	U	ug/kg	940
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
4-Bromophenyl-phenylether	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Hexachlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Pentachlorophenol	920	U	ug/kg	920	870	U	ug/kg	870	920	U	ug/kg	920	940	U	ug/kg	940
Phenanthrene	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Anthracene	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Carbazole	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Di-n-butylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	40	J	ug/kg	380	390	U	ug/kg	390
Pyrene	380	U	ug/kg	380	360	U	ug/kg	360	34	J	ug/kg	380	390	U	ug/kg	390
Butylbenzylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
3,3-Dichlorobenzidine	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Benzo (a) anthracene	380	U	ug/kg	380	360	U	ug/kg	360	29	J	ug/kg	380	390	U	ug/kg	390
Chrysene	380	U	ug/kg	380	360	U	ug/kg	360	41	J	ug/kg	380	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Di-n-octylphthalate	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Benzo (b) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	70	J	ug/kg	380	33	J	ug/kg	380
Benzo (k) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360	24	J	ug/kg	380	390	U	ug/kg	390
Benzo (a) pyrene	380	U	ug/kg	380	360	U	ug/kg	360	53	J	ug/kg	380	23	J	ug/kg	380
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	360	U	ug/kg	360	46	J	ug/kg	380	390	U	ug/kg	390
Dibenzo (a,h) anthracene	380	U	ug/kg	380	360	U	ug/kg	360	380	U	ug/kg	380	390	U	ug/kg	390
Benzo (g,h,i) perylene	380	U	ug/kg	380	360	U	ug/kg	360	70	J	ug/kg	380	33	J	ug/kg	380

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMK				A2WML				A2WMP				A2WMR			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS12				CF8SS13				CF8SS14				CF8SS15			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Chloroethyl) ether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2-Chlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
1,3-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
1,4-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
1,2-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
4-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitroso-di-n-propylamine	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Hexachloroethane	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Nitrobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Isophorone	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitrophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dimethylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
1,2,4-Trichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Naphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloroaniline	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobutadiene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloro-3-methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2-Methylnaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorocyclopentadiene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4,6-Trichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4,5-Trichlorophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
2-Chloronaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
Dimethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Acenaphthylene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,6-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
3-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
Acenaphthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dinitrophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
4-Nitrophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
Dibenzofuran	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Diethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
4-Chlorophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Fluorene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMK				A2WML				A2WMP				A2WMR			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS12				CF8SS13				CF8SS14				CF8SS15			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
4,6-Dinitro-2-methylphenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
4-Bromophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Pentachlorophenol	870	U	ug/kg	870	870	U	ug/kg	870	860	U	ug/kg	860	880	U	ug/kg	880
Phenanthrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Carbazole	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Di-n-butylphthalate	95	J	ug/kg	360	22	J	ug/kg	360	32	J	ug/kg	350	48	J	ug/kg	360
Fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Butylbenzylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
3,3-Dichlorobenzidine	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (a) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Chrysene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Ethylhexyl) phthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Di-n-octylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (b) fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (k) fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (a) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Dibenzo (a,h) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360
Benzo (g,h,i) perylene	360	U	ug/kg	360	360	U	ug/kg	360	350	U	ug/kg	350	360	U	ug/kg	360

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMT				A2WMW				A2WRH				A2WNO			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS16				CF8SS16D				CF8SS17				CF8SS18			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
bis(2-Chloroethyl) ether	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2-Chlorophenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
1,3-Dichlorobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
1,4-Dichlorobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
1,2-Dichlorobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2-Methylphenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,2-oxybis(1-Chloropropane)	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
4-Methylphenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Hexachloroethane	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Nitrobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Isophorone	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2-Nitrophenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4-Dimethylphenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
bis(2-Chloroethoxy) methane	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4-Dichlorophenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
1,2,4-Trichlorobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Naphthalene	250	J	ug/kg	370	150	J	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
4-Chloroaniline	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Hexachlorobutadiene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
4-Chloro-3-methylphenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2-Methylnaphthalene	1000		ug/kg	370	710		ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Hexachlorocyclopentadiene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4,6-Trichlorophenol	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4,5-Trichlorophenol	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
2-Chloronaphthalene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2-Nitroaniline	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
Dimethylphthalate	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Acenaphthylene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,6-Dinitrotoluene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
3-Nitroaniline	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
Acenaphthene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4-Dinitrophenol	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
4-Nitrophenol	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
Dibenzofuran	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
2,4-Dinitrotoluene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Diethylphthalate	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
4-Chlorophenyl-phenylether	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Fluorene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WMT				A2WMW				A2WRH				A2WNO			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS16				CF8SS16D				CF8SS17				CF8SS18			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
4,6-Dinitro-2-methylphenol	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
4-Bromophenyl-phenylether	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Hexachlorobenzene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Pentachlorophenol	910	U	ug/kg	910	920	U	ug/kg	920	900	U	ug/kg	900	920	U	ug/kg	920
Phenanthrene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Anthracene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Carbazole	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Di-n-butylphthalate	2000		ug/kg	370	1300		ug/kg	380	370	U	ug/kg	370	400		ug/kg	380
Fluoranthene	470		ug/kg	370	290	J	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Pyrene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Butylbenzylphthalate	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
3,3-Dichlorobenzidine	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Benzo (a) anthracene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Chrysene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	66	J	ug/kg	370	63	J	ug/kg	380	370	U	ug/kg	370	27	J	ug/kg	380
Di-n-octylphthalate	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Benzo (b) fluoranthene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Benzo (k) fluoranthene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Benzo (a) pyrene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Dibenzo (a,h) anthracene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380
Benzo (g,h,i) perylene	370	U	ug/kg	370	380	U	ug/kg	380	370	U	ug/kg	370	380	U	ug/kg	380

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WRJ				A2WRL				A2WRM				A2WRP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS19				CF8SS20				CF8SS20D				CF8SS21			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
bis(2-Chloroethyl) ether	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2-Chlorophenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
1,3-Dichlorobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
1,4-Dichlorobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
1,2-Dichlorobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2-Methylphenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
4-Methylphenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Hexachloroethane	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Nitrobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Isophorone	380	U	ug/kg	380	1500	U	ug/kg	1500	910	J	ug/kg	1500	380	U	ug/kg	380
2-Nitrophenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4-Dimethylphenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4-Dichlorophenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
1,2,4-Trichlorobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Naphthalene	380	U	ug/kg	380	530	J	ug/kg	1500	240	J	ug/kg	1500	380	U	ug/kg	380
4-Chloroaniline	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Hexachlorobutadiene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
4-Chloro-3-methylphenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2-Methylnaphthalene	380	U	ug/kg	380	1200	J	ug/kg	1500	490	J	ug/kg	1500	380	U	ug/kg	380
Hexachlorocyclopentadiene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4,6-Trichlorophenol	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4,5-Trichlorophenol	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
2-Chloronaphthalene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2-Nitroaniline	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
Dimethylphthalate	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Acenaphthylene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,6-Dinitrotoluene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
3-Nitroaniline	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
Acenaphthene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4-Dinitrophenol	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
4-Nitrophenol	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
Dibenzofuran	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
2,4-Dinitrotoluene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Diethylphthalate	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
4-Chlorophenyl-phenylether	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Fluorene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WRJ				A2WRL				A2WRM				A2WRP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS19				CF8SS20				CF8SS20D				CF8SS21			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
4,6-Dinitro-2-methylphenol	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
4-Bromophenyl-phenylether	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Hexachlorobenzene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Pentachlorophenol	920	U	ug/kg	920	3600	U	ug/kg	3600	3600	U	ug/kg	3600	910	U	ug/kg	910
Phenanthrene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Anthracene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Carbazole	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Di-n-butylphthalate	380	U	ug/kg	380	85	J	ug/kg	1500	120	J	ug/kg	1500	380	U	ug/kg	380
Fluoranthene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Pyrene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Butylbenzylphthalate	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
3,3-Dichlorobenzidine	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Benzo (a) anthracene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Chrysene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Di-n-octylphthalate	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Benzo (b) fluoranthene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Benzo (k) fluoranthene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Benzo (a) pyrene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Dibenzo (a,h) anthracene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380
Benzo (g,h,i) perylene	380	U	ug/kg	380	1500	U	ug/kg	1500	1500	U	ug/kg	1500	380	U	ug/kg	380

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WRQ			A2WRR		
Site	CECIL3			CECIL3		
Locator	CF8SS22			CF8SS23		
Collect Date:	19-FEB-95			20-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW						
Phenol	430 U	ug/kg	430	550 U	ug/kg	550
bis(2-Chloroethyl) ether	430 U	ug/kg	430	550 U	ug/kg	550
2-Chlorophenol	430 U	ug/kg	430	550 U	ug/kg	550
1,3-Dichlorobenzene	430 U	ug/kg	430	550 U	ug/kg	550
1,4-Dichlorobenzene	430 U	ug/kg	430	550 U	ug/kg	550
1,2-Dichlorobenzene	430 U	ug/kg	430	550 U	ug/kg	550
2-Methylphenol	430 U	ug/kg	430	550 U	ug/kg	550
2,2-oxybis(1-Chloropropane)	430 U	ug/kg	430	550 U	ug/kg	550
4-Methylphenol	430 U	ug/kg	430	550 U	ug/kg	550
N-Nitroso-di-n-propylamine	430 U	ug/kg	430	550 U	ug/kg	550
Hexachloroethane	430 U	ug/kg	430	550 U	ug/kg	550
Nitrobenzene	430 U	ug/kg	430	550 U	ug/kg	550
Isophorone	430 U	ug/kg	430	550 U	ug/kg	550
2-Nitrophenol	430 U	ug/kg	430	550 U	ug/kg	550
2,4-Dimethylphenol	430 U	ug/kg	430	550 U	ug/kg	550
bis(2-Chloroethoxy) methane	430 U	ug/kg	430	550 U	ug/kg	550
2,4-Dichlorophenol	430 U	ug/kg	430	550 U	ug/kg	550
1,2,4-Trichlorobenzene	430 U	ug/kg	430	550 U	ug/kg	550
Naphthalene	430 U	ug/kg	430	550 U	ug/kg	550
4-Chloroaniline	430 U	ug/kg	430	550 U	ug/kg	550
Hexachlorobutadiene	430 U	ug/kg	430	550 U	ug/kg	550
4-Chloro-3-methylphenol	430 U	ug/kg	430	550 U	ug/kg	550
2-Methylnaphthalene	430 U	ug/kg	430	550 U	ug/kg	550
Hexachlorocyclopentadiene	430 U	ug/kg	430	550 U	ug/kg	550
2,4,6-Trichlorophenol	430 U	ug/kg	430	550 U	ug/kg	550
2,4,5-Trichlorophenol	1000 U	ug/kg	1000	1300 U	ug/kg	1300
2-Chloronaphthalene	430 U	ug/kg	430	550 U	ug/kg	550
2-Nitroaniline	1000 U	ug/kg	1000	1300 U	ug/kg	1300
Dimethylphthalate	430 U	ug/kg	430	550 U	ug/kg	550
Acenaphthylene	430 U	ug/kg	430	550 U	ug/kg	550
2,6-Dinitrotoluene	430 U	ug/kg	430	550 U	ug/kg	550
3-Nitroaniline	1000 U	ug/kg	1000	1300 U	ug/kg	1300
Acenaphthene	430 U	ug/kg	430	550 U	ug/kg	550
2,4-Dinitrophenol	1000 U	ug/kg	1000	1300 U	ug/kg	1300
4-Nitrophenol	1000 U	ug/kg	1000	1300 U	ug/kg	1300
Dibenzofuran	430 U	ug/kg	430	550 U	ug/kg	550
2,4-Dinitrotoluene	430 U	ug/kg	430	550 U	ug/kg	550
Diethylphthalate	430 U	ug/kg	430	550 U	ug/kg	550
4-Chlorophenyl-phenylether	430 U	ug/kg	430	550 U	ug/kg	550
Fluorene	430 U	ug/kg	430	550 U	ug/kg	550

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8084

Lab Sample Number:	A2WRQ				A2WRR			
Site	CECIL3				CECIL3			
Locator	CF8SS22				CF8SS23			
Collect Date:	19-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	1000	U	ug/kg	1000	1300	U	ug/kg	1300
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	1300	U	ug/kg	1300
N-Nitrosodiphenylamine (1)	430	U	ug/kg	430	550	U	ug/kg	550
4-Bromophenyl-phenylether	430	U	ug/kg	430	550	U	ug/kg	550
Hexachlorobenzene	430	U	ug/kg	430	550	U	ug/kg	550
Pentachlorophenol	1000	U	ug/kg	1000	1300	U	ug/kg	1300
Phenanthrene	430	U	ug/kg	430	550	U	ug/kg	550
Anthracene	430	U	ug/kg	430	550	U	ug/kg	550
Carbazole	430	U	ug/kg	430	550	U	ug/kg	550
Di-n-butylphthalate	31	J	ug/kg	420	29	J	ug/kg	540
Fluoranthene	430	U	ug/kg	430	550	U	ug/kg	550
Pyrene	430	U	ug/kg	430	550	U	ug/kg	550
Butylbenzylphthalate	430	U	ug/kg	430	550	U	ug/kg	550
3,3-Dichlorobenzidine	430	U	ug/kg	430	550	U	ug/kg	550
Benzo (a) anthracene	430	U	ug/kg	430	550	U	ug/kg	550
Chrysene	430	U	ug/kg	430	550	U	ug/kg	550
bis(2-Ethylhexyl) phthalate	27	J	ug/kg	420	550	U	ug/kg	550
Di-n-octylphthalate	430	U	ug/kg	430	550	U	ug/kg	550
Benzo (b) fluoranthene	430	U	ug/kg	430	550	U	ug/kg	550
Benzo (k) fluoranthene	430	U	ug/kg	430	550	U	ug/kg	550
Benzo (a) pyrene	430	U	ug/kg	430	550	U	ug/kg	550
Indeno (1,2,3-cd) pyrene	430	U	ug/kg	430	550	U	ug/kg	550
Dibenzo (a,h) anthracene	430	U	ug/kg	430	550	U	ug/kg	550
Benzo (g,h,i) perylene	430	U	ug/kg	430	550	U	ug/kg	550

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WM4				A2WM8				A2WM5				A2WM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
beta-BHC	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
delta-BHC	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Aldrin	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor epoxide	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Endosulfan I	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Dieldrin	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDE	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	1	J	ug/kg	4	3.6	U	ug/kg	3.6
Endrin	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	.3	U	ug/kg	.3	3.6	U	ug/kg	3.6
Endosulfan II	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDD	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endosulfan sulfate	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDT	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	1.6	J	ug/kg	4	1.2	J	ug/kg	4
Methoxychlor	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Endrin ketone	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endrin aldehyde	3.5	U	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
alpha-Chlordane	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-Chlordane	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Toxaphene	180	U	ug/kg	180	180	U	ug/kg	180	180	U	ug/kg	180	180	U	ug/kg	180
Aroclor-1016	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1221	71	U	ug/kg	71	73	U	ug/kg	73	73	U	ug/kg	73	73	U	ug/kg	73
Aroclor-1232	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1242	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1248	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1254	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1260	35	U	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WMA				A2WMC				A2WMD				A2WME			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS5				CF8SS6				CF8SS7				CF8SS8			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
beta-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
delta-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Heptachlor	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Aldrin	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Heptachlor epoxide	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Endosulfan I	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Dieldrin	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
4,4-DDE	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
Endrin	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
Endosulfan II	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
4,4-DDD	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
Endosulfan sulfate	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
4,4-DDT	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
Methoxychlor	18	UJ	ug/kg	18	19	U	ug/kg	19	19	U	ug/kg	19	18	U	ug/kg	18
Endrin ketone	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
Endrin aldehyde	3.5	UJ	ug/kg	3.5	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5
alpha-Chlordane	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
gamma-Chlordane	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8
Toxaphene	180	UJ	ug/kg	180	190	U	ug/kg	190	190	U	ug/kg	190	180	U	ug/kg	180
Aroclor-1016	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35
Aroclor-1221	72	UJ	ug/kg	72	74	U	ug/kg	74	74	U	ug/kg	74	71	U	ug/kg	71
Aroclor-1232	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35
Aroclor-1242	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35
Aroclor-1248	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35
Aroclor-1254	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35
Aroclor-1260	35	UJ	ug/kg	35	36	U	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WMF				A2WMG				A2WMH				A2WMJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS9				CF8SS10				CF8SS11				CF8SS11D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
beta-BHC	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
delta-BHC	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Heptachlor	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Aldrin	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Endosulfan I	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Dieldrin	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
4,4-DDE	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Endrin	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Endosulfan II	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
4,4-DDD	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Endosulfan sulfate	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
4,4-DDT	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Methoxychlor	19	U	ug/kg	19	19	UJ	ug/kg	19	98	UJ	ug/kg	98	100	UJ	ug/kg	100
Endrin ketone	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
Endrin aldehyde	3.8	U	ug/kg	3.8	3.6	UJ	ug/kg	3.6	19	UJ	ug/kg	19	19	UJ	ug/kg	19
alpha-Chlordane	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
gamma-Chlordane	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	9.8	UJ	ug/kg	9.8	10	UJ	ug/kg	10
Toxaphene	190	U	ug/kg	190	190	UJ	ug/kg	190	980	UJ	ug/kg	980	1000	UJ	ug/kg	1000
Aroclor-1016	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1221	77	U	ug/kg	77	73	UJ	ug/kg	73	390	UJ	ug/kg	390	390	UJ	ug/kg	390
Aroclor-1232	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1242	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1248	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1254	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190
Aroclor-1260	38	U	ug/kg	38	36	UJ	ug/kg	36	190	UJ	ug/kg	190	190	UJ	ug/kg	190

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WMK				A2WML				A2WMP				A2WMR			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS12				CF8SS13				CF8SS14				CF8SS15			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	.3	U	ug/kg	.3	1.9	UJ	ug/kg	1.9
beta-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
delta-BHC	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
gamma-BHC (Lindane)	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Heptachlor	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Aldrin	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Heptachlor epoxide	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Endosulfan I	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Dieldrin	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
4,4-DDE	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
Endrin	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
Endosulfan II	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
4,4-DDD	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
Endosulfan sulfate	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
4,4-DDT	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
Methoxychlor	18	UJ	ug/kg	18	19	U	ug/kg	19	18	U	ug/kg	18	19	UJ	ug/kg	19
Endrin ketone	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
Endrin aldehyde	3.6	UJ	ug/kg	3.6	3.6	U	ug/kg	3.6	3.5	U	ug/kg	3.5	3.6	UJ	ug/kg	3.6
alpha-Chlordane	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
gamma-Chlordane	1.8	UJ	ug/kg	1.8	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.9	UJ	ug/kg	1.9
Toxaphene	180	UJ	ug/kg	180	190	U	ug/kg	190	180	U	ug/kg	180	190	UJ	ug/kg	190
Aroclor-1016	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36
Aroclor-1221	73	UJ	ug/kg	73	73	U	ug/kg	73	72	U	ug/kg	72	74	UJ	ug/kg	74
Aroclor-1232	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36
Aroclor-1242	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36
Aroclor-1248	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36
Aroclor-1254	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36
Aroclor-1260	36	UJ	ug/kg	36	36	U	ug/kg	36	35	U	ug/kg	35	36	UJ	ug/kg	36

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WMT				A2WMW				A2WRH				A2WN0			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS16				CF8SS16D				CF8SS17				CF8SS18			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.9	U	ug/kg	.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	.35	R	ug/kg	2
beta-BHC	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
delta-BHC	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	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	2	U	ug/kg	2
Heptachlor	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Aldrin	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Heptachlor epoxide	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Endosulfan I	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Dieldrin	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDE	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endrin	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	.8	U	ug/kg	.8
Endosulfan II	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDD	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endosulfan sulfate	.31	R	ug/kg	4	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
4,4-DDT	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Methoxychlor	19	U	ug/kg	19	20	U	ug/kg	20	3.7	U	ug/kg	3.7	20	U	ug/kg	20
Endrin ketone	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8
Endrin aldehyde	3.7	U	ug/kg	3.7	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7	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	2	U	ug/kg	2
gamma-Chlordane	1.9	U	ug/kg	1.9	2	U	ug/kg	2	1.9	U	ug/kg	1.9	2	U	ug/kg	2
Toxaphene	190	U	ug/kg	190	200	U	ug/kg	200	190	U	ug/kg	190	200	U	ug/kg	200
Aroclor-1016	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1221	76	U	ug/kg	76	77	U	ug/kg	77	75	U	ug/kg	75	77	U	ug/kg	77
Aroclor-1232	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1242	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1248	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1254	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38
Aroclor-1260	37	U	ug/kg	37	38	U	ug/kg	38	37	U	ug/kg	37	38	U	ug/kg	38

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WRJ				A2WRL				A2WRM				A2WRP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS19				CF8SS20				CF8SS20D				CF8SS21			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
beta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
delta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
gamma-BHC (Lindane)	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Heptachlor	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Aldrin	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Endosulfan I	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Dieldrin	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
4,4-DDE	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
Endrin	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
Endosulfan II	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
4,4-DDD	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
Endosulfan sulfate	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
4,4-DDT	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
Methoxychlor	19	U	ug/kg	19	19	U	ug/kg	19	19	UJ	ug/kg	19	23	UJ	ug/kg	23
Endrin ketone	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
Endrin aldehyde	3.8	U	ug/kg	3.8	3.8	U	ug/kg	3.8	3.7	UJ	ug/kg	3.7	4.5	UJ	ug/kg	4.5
alpha-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
gamma-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	UJ	ug/kg	1.9	2.3	UJ	ug/kg	2.3
Toxaphene	190	U	ug/kg	190	190	U	ug/kg	190	190	UJ	ug/kg	190	230	UJ	ug/kg	230
Aroclor-1016	38	U	ug/kg	38	38	U	ug/kg	38	37	UJ	ug/kg	37	45	UJ	ug/kg	45
Aroclor-1221	77	U	ug/kg	77	76	U	ug/kg	76	76	UJ	ug/kg	76	91	UJ	ug/kg	91
Aroclor-1232	38	U	ug/kg	38	38	U	ug/kg	38	37	UJ	ug/kg	37	45	UJ	ug/kg	45
Aroclor-1242	38	U	ug/kg	38	38	U	ug/kg	38	37	UJ	ug/kg	37	45	UJ	ug/kg	45
Aroclor-1248	38	U	ug/kg	38	38	U	ug/kg	38	37	UJ	ug/kg	37	45	UJ	ug/kg	45
Aroclor-1254	38	U	ug/kg	38	38	U	ug/kg	38	37	UJ	ug/kg	37	45	UJ	ug/kg	45
Aroclor-1260	38	U	ug/kg	38	28	J	ug/kg	38	20	J	ug/kg	37	39	J	ug/kg	44

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8085

Lab Sample Number:	A2WRQ				A2WRR			
Site	CECIL3				CECIL3			
Locator	CF8SS22				CF8SS23			
Collect Date:	19-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
beta-BHC	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
delta-BHC	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
gamma-BHC (Lindane)	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Heptachlor	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Aldrin	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Heptachlor epoxide	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Endosulfan I	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Dieldrin	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
4,4-DDE	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
Endrin	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
Endosulfan II	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
4,4-DDD	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
Endosulfan sulfate	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
4,4-DDT	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
Methoxychlor	22	UJ	ug/kg	22	28	UJ	ug/kg	28
Endrin ketone	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
Endrin aldehyde	4.3	UJ	ug/kg	4.3	5.5	UJ	ug/kg	5.5
alpha-Chlordane	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
gamma-Chlordane	2.2	UJ	ug/kg	2.2	2.8	UJ	ug/kg	2.8
Toxaphene	220	UJ	ug/kg	220	280	UJ	ug/kg	280
Aroclor-1016	43	UJ	ug/kg	43	55	UJ	ug/kg	55
Aroclor-1221	87	UJ	ug/kg	87	110	UJ	ug/kg	110
Aroclor-1232	43	UJ	ug/kg	43	55	UJ	ug/kg	55
Aroclor-1242	43	UJ	ug/kg	43	55	UJ	ug/kg	55
Aroclor-1248	43	UJ	ug/kg	43	55	UJ	ug/kg	55
Aroclor-1254	43	UJ	ug/kg	43	55	UJ	ug/kg	55
Aroclor-1260	26	J	ug/kg	43	55	UJ	ug/kg	55

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WN5				A2WN7				A2WN6				A2WN8			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	320	J	mg/kg	21	23	J	mg/kg	11	410	J	mg/kg	22	33	J	mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WN9				A2WNA				A2WNC				A2WND			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS5				CF8SS6				CF8SS7				CF8SS8			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	88	J	mg/kg	11	83	J	mg/kg	11	22	J	mg/kg	11	3100	J	mg/kg	270

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WNE				A2WNF				A2WNG				A2WNH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS9				CF8SS10				CF8SS11				CF8SS11D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	2500	J	mg/kg	290	98	J	mg/kg	11	16	J	mg/kg	12	340	J	mg/kg	23

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WNJ				A2WNK				A2WNL				A2WNM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS12				CF8SS13				CF8SS14				CF8SS15			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	140	J	mg/kg	11	1600	J	mg/kg	270	1300	J	mg/kg	270	17	J	mg/kg	11

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WNN			A5F2100190			A2WNP			A2WTE		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SS16			CF8SS16			CF8SS16D			CF8SS17		
Collect Date:	19-FEB-95			13-JUN-95			19-FEB-95			19-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	340	mg/kg	23	18000	mg/kg	250	430	mg/kg	23	34	mg/kg	11

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WNQ				A2WTG				A2WTH				A2WTJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS18				CF8SS19				CF8SS20				CF8SS20D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	24	J	mg/kg	11	24		mg/kg	12	3300		mg/kg	290	2500		mg/kg	290

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7390
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WTM			A2WTN			A2WTP		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF8SS21			CF8SS22			CF8SS23		
Collect Date:	19-FEB-95			19-FEB-95			20-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Total petroleum hydrocarbons	100	mg/kg	13	180	mg/kg	13	27	mg/kg	17

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7400
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:		A5J0301430				A5J0301430				A5J0301430				A5J0301430		
Site		CECIL3				CECIL3				CECIL3				CECIL3		
Locator		CF8SS24(0-1)				CF8SS25(0-1)				CF8SS25D(0-1)				CF8SS26(0-1)		
Collect Date:		02-OCT-95				02-OCT-95				02-OCT-95				02-OCT-95		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH	mg/kg																
Total petroleum hydrocarbons		35		mg/kg	12	73		mg/kg	15	80		mg/kg	14	22	U	mg/kg	12

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7400
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:		A5J0301430			A5J0301430			A5J0301430			A5J0301430		
Site		CECIL3			CECIL3			CECIL3			CECIL3		
Locator		CF8SS27(0-1)			CF8SS28(0-1)			CF8SS28D(0-1)			CF8SS29(0-1)		
Collect Date:		02-OCT-95			02-OCT-95			02-OCT-95			02-OCT-95		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
TPH	mg/kg												
Total petroleum hydrocarbons		18 U	mg/kg	11	47	mg/kg	11	66	mg/kg	11	38	mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7400
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:		A5J0301430			A5J0301430			A5J0301430			A5J0301430		
Site		CECIL3			CECIL3			CECIL3			CECIL3		
Locator		CF8SS30(0-1)			CF8SS31(0-1)			CF8SS32(0-1)			CF8SS33(0-1)		
Collect Date:		02-OCT-95			02-OCT-95			02-OCT-95			02-OCT-95		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TPH	mg/kg												
Total petroleum hydrocarbons		100	mg/kg	11	47	mg/kg	11	58	mg/kg	11	37	mg/kg	11

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7400
SURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:		A5J0301430				A5J0301430		
Site		CECIL3				CECIL3		
Locator		CF8SS34(0-1)				CF8SS35(0-1)		
Collect Date:		02-OCT-95				02-OCT-95		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TPH	mg/kg								
Total petroleum hydrocarbons		150		mg/kg	11	60		mg/kg	11

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WM4				A2WM8				A2WM5				A2WM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS1				CF8SS2				CF8SS3				CF8SS4			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1460	J	mg/kg	40	851	J	mg/kg	40	1400	J	mg/kg	40	1340	J	mg/kg	40
Antimony	.43	U	mg/kg	12	.44	U	mg/kg	12	.7	J	mg/kg	12	.82	J	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	3.1		mg/kg	40	1.7		mg/kg	40	3.3		mg/kg	40	2.8		mg/kg	40
Beryllium	.21	U	mg/kg	1	.22	U	mg/kg	1	.25		mg/kg	1	.22	U	mg/kg	1
Cadmium	.21	U	mg/kg	1	.22	U	mg/kg	1	.21	U	mg/kg	1	.22	U	mg/kg	1
Calcium	6120	J	mg/kg	1000	8220	J	mg/kg	1000	709	J	mg/kg	1000	472	J	mg/kg	1000
Chromium	2.1	J	mg/kg	2	1.5	J	mg/kg	2	2.5		mg/kg	2	2.7		mg/kg	2
Cobalt	.21	UJ	mg/kg	10	.22	UJ	mg/kg	10	.21	UJ	mg/kg	10	.22	UJ	mg/kg	10
Copper	.52	J	mg/kg	5	.44	U	mg/kg	5	10.5		mg/kg	5	16.8		mg/kg	5
Iron	467	J	mg/kg	20	328	J	mg/kg	20	384	J	mg/kg	20	378	J	mg/kg	20
Lead	3.9	J	mg/kg	.6	2.2	U	mg/kg	.6	11.8	J	mg/kg	.6	69.9	J	mg/kg	.6
Magnesium	123		mg/kg	1000	86.2		mg/kg	1000	58.7		mg/kg	1000	76.2		mg/kg	1000
Manganese	6.4	J	mg/kg	3	3.5	J	mg/kg	3	5.5	J	mg/kg	3	9.3	J	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	1		mg/kg	8	.75		mg/kg	8	.7		mg/kg	8	.88	J	mg/kg	8
Potassium	15.6		mg/kg	1000	12.9	U	mg/kg	1000	12.7	U	mg/kg	1000	24.3		mg/kg	1000
Selenium	.85	U	mg/kg	1	.87	U	mg/kg	1	.86	U	mg/kg	1	.87	U	mg/kg	1
Silver	.21	U	mg/kg	2	.22	U	mg/kg	2	.21	U	mg/kg	2	.22	U	mg/kg	2
Sodium	12.8	U	mg/kg	1000	20.2	U	mg/kg	1000	65.4	U	mg/kg	1000	35.8	U	mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	2.1		mg/kg	10	1.4		mg/kg	10	2.1		mg/kg	10	1.6		mg/kg	10
Zinc	3.6	UJ	mg/kg	4	1.8	UJ	mg/kg	4	33.5	J	mg/kg	4	9	UJ	mg/kg	4
Cyanide	.52	U	mg/kg	.5	.54	U	mg/kg	.5	.52	U	mg/kg	.5	.53	U	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 OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A54R4				A2WMA				A2WMC				A2WMD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS4				CF8SS5				CF8SS6				CF8SS7			
Collect Date:	13-JUN-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	210000	J	ug/kg	40	1330	J	mg/kg	40	1610	J	mg/kg	40	1570	J	mg/kg	40
Antimony	846	J	ug/kg	12	.43	U	mg/kg	12	.45	J	mg/kg	12	.45	U	mg/kg	12
Arsenic	1020		ug/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	878		ug/kg	40	3.7		mg/kg	40	2.5		mg/kg	40	3.1		mg/kg	40
Beryllium	198	U	ug/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	416	J	ug/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Calcium	1000000		ug/kg	1000	400	J	mg/kg	1000	162	J	mg/kg	1000	181	UJ	mg/kg	1000
Chromium	396	UJ	ug/kg	2	1.8	J	mg/kg	2	2.2		mg/kg	2	2.5		mg/kg	2
Cobalt	396	U	ug/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10
Copper	7710	J	ug/kg	5	.43	U	mg/kg	5	.44	U	mg/kg	5	.45	U	mg/kg	5
Iron	248000	J	ug/kg	20	485	J	mg/kg	20	443	J	mg/kg	20	437	J	mg/kg	20
Lead	29900		ug/kg	.6	3.4	J	mg/kg	.6	3.1	J	mg/kg	.6	3.2	J	mg/kg	.6
Magnesium	160000		ug/kg	1000	53.4		mg/kg	1000	44.3		mg/kg	1000	57.8		mg/kg	1000
Manganese	4990	J	ug/kg	3	4	J	mg/kg	3	2.7	J	mg/kg	3	4.3	J	mg/kg	3
Mercury	95.2	U	ug/kg	.1	.11	U	mg/kg	.1	.1	U	mg/kg	.1	.1	U	mg/kg	.1
Nickel	594	U	ug/kg	8	1.1		mg/kg	8	.72		mg/kg	8	.74		mg/kg	8
Potassium	1250000		ug/kg	1000	24		mg/kg	1000	18.3		mg/kg	1000	13.2	U	mg/kg	1000
Selenium	792	U	ug/kg	1	.87	U	mg/kg	1	.87	U	mg/kg	1	.89	U	mg/kg	1
Silver	198	U	ug/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2	.22	U	mg/kg	2
Sodium	741000	J	ug/kg	1000	24	U	mg/kg	1000	39.2	U	mg/kg	1000	22.5	U	mg/kg	1000
Thallium	792	UJ	ug/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	396	U	ug/kg	10	2.3		mg/kg	10	2.2		mg/kg	10	2.1		mg/kg	10
Zinc	27100	J	ug/kg	4	4.2	UJ	mg/kg	4	2.7	UJ	mg/kg	4	2.1	UJ	mg/kg	4
Cyanide	-				.52	U	mg/kg	.5	.51	U	mg/kg	.5	.53	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WME				A2WMF				A2WMG				A2WMH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS8				CF8SS9				CF8SS10				CF8SS11			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1230	J	mg/kg	40	2690	J	mg/kg	40	1430	J	mg/kg	40	1170	J	mg/kg	40
Antimony	.42	U	mg/kg	12	.46	U	mg/kg	12	.46	J	mg/kg	12	.49	J	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.2	U	mg/kg	20	1.1	U	mg/kg	20	1.2	U	mg/kg	20
Barium	2.8		mg/kg	40	3.9		mg/kg	40	3.1		mg/kg	40	4.2		mg/kg	40
Beryllium	.21	U	mg/kg	1	.23	U	mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.21	U	mg/kg	1	.62		mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1
Calcium	225	UJ	mg/kg	1000	630	J	mg/kg	1000	1120	J	mg/kg	1000	16000	J	mg/kg	1000
Chromium	1.7	J	mg/kg	2	3.5		mg/kg	2	2.2		mg/kg	2	2.1	J	mg/kg	2
Cobalt	.21	UJ	mg/kg	10	.23	UJ	mg/kg	10	.22	UJ	mg/kg	10	.23	UJ	mg/kg	10
Copper	.42	U	mg/kg	5	.46	U	mg/kg	5	.44	U	mg/kg	5	.47	U	mg/kg	5
Iron	376	J	mg/kg	20	1120	J	mg/kg	20	451	J	mg/kg	20	222	J	mg/kg	20
Lead	15.9	J	mg/kg	.6	6.9	J	mg/kg	.6	3.5	J	mg/kg	.6	2.7	J	mg/kg	.6
Magnesium	48.8		mg/kg	1000	57		mg/kg	1000	63.8		mg/kg	1000	150		mg/kg	1000
Manganese	4.5	J	mg/kg	3	6.4	J	mg/kg	3	5.6	J	mg/kg	3	10.4	J	mg/kg	3
Mercury	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.54	J	mg/kg	8	1.3		mg/kg	8	.75		mg/kg	8	.76		mg/kg	8
Potassium	18		mg/kg	1000	15.8		mg/kg	1000	29.4		mg/kg	1000	15.2		mg/kg	1000
Selenium	.85	U	mg/kg	1	.93	U	mg/kg	1	.88	U	mg/kg	1	.93	U	mg/kg	1
Silver	.21	U	mg/kg	2	.23	U	mg/kg	2	.22	U	mg/kg	2	.23	U	mg/kg	2
Sodium	21.4	U	mg/kg	1000	82.4	U	mg/kg	1000	13.2	U	mg/kg	1000	39.2	U	mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	1.8		mg/kg	10	1.9		mg/kg	10	2.2		mg/kg	10	1.9		mg/kg	10
Zinc	11	UJ	mg/kg	4	2.5	UJ	mg/kg	4	1.9	UJ	mg/kg	4	5.8	UJ	mg/kg	4
Cyanide	.49	U	mg/kg	.5	.56	U	mg/kg	.5	.46	U	mg/kg	.5	.52	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WMJ				A2WMK				A2WML				A2WMP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS11D				CF8SS12				CF8SS13				CF8SS14			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1370	J	mg/kg	40	1330	J	mg/kg	40	818	J	mg/kg	40	1090	J	mg/kg	40
Antimony	.47	U	mg/kg	12	.43	U	mg/kg	12	.54	J	mg/kg	12	.44	U	mg/kg	12
Arsenic	1.2	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	3.2		mg/kg	40	1.7		mg/kg	40	3.4		mg/kg	40
Beryllium	.23	U	mg/kg	1	.23		mg/kg	1	.27		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	10300	J	mg/kg	1000	1180	J	mg/kg	1000	21800	J	mg/kg	1000	5590	J	mg/kg	1000
Chromium	2.2	J	mg/kg	2	1.7	J	mg/kg	2	2.4		mg/kg	2	1.9	J	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	.47	U	mg/kg	5	.43	U	mg/kg	5	.44	U	mg/kg	5	.44	U	mg/kg	5
Iron	219	J	mg/kg	20	518	J	mg/kg	20	335	J	mg/kg	20	374	J	mg/kg	20
Lead	2.9	J	mg/kg	.6	4.2	J	mg/kg	.6	1.7	UJ	mg/kg	.6	2.7	J	mg/kg	.6
Magnesium	129		mg/kg	1000	88.4		mg/kg	1000	195		mg/kg	1000	72.5		mg/kg	1000
Manganese	8.5	J	mg/kg	3	8.8	J	mg/kg	3	6.1	J	mg/kg	3	2.5	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.47	U	mg/kg	8	.66		mg/kg	8	.73		mg/kg	8	.44	U	mg/kg	8
Potassium	15		mg/kg	1000	13.7		mg/kg	1000	13	U	mg/kg	1000	16.1		mg/kg	1000
Selenium	.93	U	mg/kg	1	.86	U	mg/kg	1	.88	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	33	U	mg/kg	1000	26.2	U	mg/kg	1000	13.2	U	mg/kg	1000	13.1	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	1.9		mg/kg	10	1.8		mg/kg	10	2.2		mg/kg	10	1.8		mg/kg	10
Zinc	1.8	UJ	mg/kg	4	3.6	UJ	mg/kg	4	7	UJ	mg/kg	4	1.4	UJ	mg/kg	4
Cyanide	.52	U	mg/kg	.5	.54	U	mg/kg	.5	.48	U	mg/kg	.5	.5	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WMR				A2WMT				A2WMW				A2WRH			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS15				CF8SS16				CF8SS16D				CF8SS17			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1450	J	mg/kg	40	2160	J	mg/kg	40	1940	J	mg/kg	40	2100		mg/kg	40
Antimony	.66	J	mg/kg	12	.45	U	mg/kg	12	.46	U	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	1.1	U	mg/kg	20
Barium	6.3		mg/kg	40	1.8		mg/kg	40	1.7		mg/kg	40	2.2		mg/kg	40
Beryllium	.22	U	mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Cadmium	.3		mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1
Calcium	47800	J	mg/kg	1000	1240	J	mg/kg	1000	2170	J	mg/kg	1000	17500	J	mg/kg	1000
Chromium	3.5		mg/kg	2	2.6		mg/kg	2	2.4		mg/kg	2	3.2		mg/kg	2
Cobalt	.22	UJ	mg/kg	10	.22	UJ	mg/kg	10	.23	UJ	mg/kg	10	.23	UJ	mg/kg	10
Copper	4.1		mg/kg	5	.45	U	mg/kg	5	.46	U	mg/kg	5	.45	UJ	mg/kg	5
Iron	458	J	mg/kg	20	260	J	mg/kg	20	222	J	mg/kg	20	291	J	mg/kg	20
Lead	8.8	J	mg/kg	.6	2	UJ	mg/kg	.6	1.9	UJ	mg/kg	.6	2.7	UJ	mg/kg	.6
Magnesium	454		mg/kg	1000	34.6	U	mg/kg	1000	37.4		mg/kg	1000	167		mg/kg	1000
Manganese	10.6	J	mg/kg	3	2.1	J	mg/kg	3	1.8	J	mg/kg	3	3.7		mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	1.1		mg/kg	8	.73		mg/kg	8	.59	J	mg/kg	8	.74		mg/kg	8
Potassium	45		mg/kg	1000	13.4	J	mg/kg	1000	13.5	U	mg/kg	1000	23.3		mg/kg	1000
Selenium	.88	U	mg/kg	1	.89	U	mg/kg	1	.92	U	mg/kg	1	.9	U	mg/kg	1
Silver	.22	U	mg/kg	2	.22	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2
Sodium	94.4		mg/kg	1000	48.3	U	mg/kg	1000	16.8	U	mg/kg	1000	13.5	UJ	mg/kg	1000
Thallium	1.3	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	2.3		mg/kg	10	1.2		mg/kg	10	1.1		mg/kg	10	2.5		mg/kg	10
Zinc	14.2	UJ	mg/kg	4	5.1	J	mg/kg	4	2.3	UJ	mg/kg	4	3.2	U	mg/kg	4
Cyanide	.52	U	mg/kg	.5	.56	U	mg/kg	.5	.53	U	mg/kg	.5	.53	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WN0				A2WRJ				A2WRL				A2WRM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS18				CF8SS19				CF8SS20				CF8SS20D			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2860	J	mg/kg	40	4620		mg/kg	40	3020		mg/kg	40	3690		mg/kg	40
Antimony	.71	J	mg/kg	12	.73	U	mg/kg	12	.52	U	mg/kg	12	.5	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.2	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20
Barium	4		mg/kg	40	12.9		mg/kg	40	4.9		mg/kg	40	8.1		mg/kg	40
Beryllium	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	.23	U	mg/kg	1	.23	U	mg/kg	1	.26		mg/kg	1	1.3		mg/kg	1
Calcium	551	J	mg/kg	1000	24000	J	mg/kg	1000	2090	J	mg/kg	1000	5180	J	mg/kg	1000
Chromium	5.3		mg/kg	2	8.6		mg/kg	2	8.8		mg/kg	2	9.7		mg/kg	2
Cobalt	.23	UJ	mg/kg	10	.31	J	mg/kg	10	.23	J	mg/kg	10	.38	J	mg/kg	10
Copper	.46	U	mg/kg	5	.46	UJ	mg/kg	5	2.2	J	mg/kg	5	7.8		mg/kg	5
Iron	494	J	mg/kg	20	1090	J	mg/kg	20	911	J	mg/kg	20	1170	J	mg/kg	20
Lead	3.6	J	mg/kg	.6	7		mg/kg	.6	6		mg/kg	.6	11.7		mg/kg	.6
Magnesium	63		mg/kg	1000	308		mg/kg	1000	206		mg/kg	1000	449		mg/kg	1000
Manganese	3.1	J	mg/kg	3	11.5		mg/kg	3	9.1		mg/kg	3	16.1		mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	.96	J	mg/kg	8	1.7		mg/kg	8	1.3		mg/kg	8	1.8		mg/kg	8
Potassium	13.5	U	mg/kg	1000	57.2		mg/kg	1000	66.5		mg/kg	1000	145		mg/kg	1000
Selenium	.92	U	mg/kg	1	.92	U	mg/kg	1	.91	U	mg/kg	1	.9	U	mg/kg	1
Silver	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.22	U	mg/kg	2
Sodium	30	U	mg/kg	1000	25.3	J	mg/kg	1000	26.1	J	mg/kg	1000	13.4	UJ	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	2.8		mg/kg	10	5.5		mg/kg	10	3.9		mg/kg	10	4.7		mg/kg	10
Zinc	2.5	UJ	mg/kg	4	14.4		mg/kg	4	6.1	U	mg/kg	4	20.3		mg/kg	4
Cyanide	.54	U	mg/kg	.5	.5	U	mg/kg	.5	.56	U	mg/kg	.5	.53	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8086

Lab Sample Number:	A2WRP				A2WRQ				A2WRR			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SS21				CF8SS22				CF8SS23			
Collect Date:	19-FEB-95				19-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	7950		mg/kg	40	4180		mg/kg	40	982		mg/kg	40
Antimony	.53	U	mg/kg	12	.76	U	mg/kg	12	.66	UJ	mg/kg	12
Arsenic	1.3	U	mg/kg	20	1.3	U	mg/kg	20	1.7	U	mg/kg	20
Barium	8.3		mg/kg	40	9.5		mg/kg	40	3.2		mg/kg	40
Beryllium	.28	U	mg/kg	1	.26	U	mg/kg	1	.33	U	mg/kg	1
Cadmium	.27	U	mg/kg	1	.82		mg/kg	1	.33	U	mg/kg	1
Calcium	1740	J	mg/kg	1000	8080	J	mg/kg	1000	165	U	mg/kg	1000
Chromium	10		mg/kg	2	10.3		mg/kg	2	1.8	UJ	mg/kg	2
Cobalt	.27	UJ	mg/kg	10	.26	UJ	mg/kg	10	.33	UJ	mg/kg	10
Copper	1.7	J	mg/kg	5	13.7		mg/kg	5	.66	UJ	mg/kg	5
Iron	474	J	mg/kg	20	1270	J	mg/kg	20	882	J	mg/kg	20
Lead	10.8		mg/kg	.6	20.4		mg/kg	.6	5.1		mg/kg	.6
Magnesium	154		mg/kg	1000	525		mg/kg	1000	46.4	U	mg/kg	1000
Manganese	4.5		mg/kg	3	16.8		mg/kg	3	1.6	U	mg/kg	3
Mercury	.14	U	mg/kg	.1	.13	U	mg/kg	.1	.17	U	mg/kg	.1
Nickel	2.2		mg/kg	8	1.9		mg/kg	8	.66	U	mg/kg	8
Potassium	59.5		mg/kg	1000	178		mg/kg	1000	19.6	U	mg/kg	1000
Selenium	1.1	U	mg/kg	1	1	U	mg/kg	1	1.3	U	mg/kg	1
Silver	.27	U	mg/kg	2	.26	U	mg/kg	2	.33	U	mg/kg	2
Sodium	151	J	mg/kg	1000	15.5	UJ	mg/kg	1000	19.9	UJ	mg/kg	1000
Thallium	1.6	UJ	mg/kg	2	1.6	UJ	mg/kg	2	2	UJ	mg/kg	2
Vanadium	3.2		mg/kg	10	5.2		mg/kg	10	2.2		mg/kg	10
Zinc	7.1	U	mg/kg	4	51.8		mg/kg	4	3.8	U	mg/kg	4
Cyanide	.6	U	mg/kg	.5	.64	U	mg/kg	.5	.81	U	mg/kg	.5

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

Section 1.7

Site 8, Confirmatory Subsurface Soil Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2W1X				A2W21				A2W25				A2W28			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB1				CF8SB2				CF8SB3				CF8SB4			
Collect Date:	16-FEB-95				16-FEB-95				17-FEB-95				17-FEB-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	12	U	ug/kg	12
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	37		ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	11	UJ	ug/kg	11	11	UJ	ug/kg	11	11	UJ	ug/kg	11	12	UJ	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2W2A				A2W2E				A2W2F				A2W2H			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB5				CF8SB6				CF8SB7				CF8SB7D			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
Methylene chloride	6	U	ug/kg	6	12	U	ug/kg	12	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Acetone	12	UJ	ug/kg	12	12	UJ	ug/kg	12	7800		ug/kg	4900	7100	U	ug/kg	7100
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	8500	U	ug/kg	8500	7100	U	ug/kg	7100
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	4900	U	ug/kg	4900	7100	U	ug/kg	7100
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	1100	J	ug/kg	2400	3500	U	ug/kg	3500
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	2300	J	ug/kg	2400	1900	J	ug/kg	3500
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	2400	U	ug/kg	2400	3500	U	ug/kg	3500
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	9200		ug/kg	2400	6700		ug/kg	3500

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2W2J				A2W2K				A2W2M				A2W2N			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB8				CF8SB9				CF8SB10				CF8SB11			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12	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	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	12	UJ	ug/kg	12	12	UJ	ug/kg	12	12	UJ	ug/kg	12	12	UJ	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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2W2Q				A2W2T				A2WLX				A2W2V			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB12				CF8SB12D				CF8SB13				CF8SB14			
Collect Date:	17-FEB-95				17-FEB-95				18-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
Bromomethane	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
Vinyl chloride	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
Chloroethane	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Acetone	20	UJ	ug/kg	20	60	UJ	ug/kg	60	12	UJ	ug/kg	12	13	UJ	ug/kg	13
Carbon disulfide	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethene (total)	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Chloroform	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
2-Butanone	3	J	ug/kg	12	14	J	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Carbon tetrachloride	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Bromodichloromethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloropropane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
cis-1,3-Dichloropropene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Trichloroethene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Dibromochloromethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2-Trichloroethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Benzene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
trans-1,3-Dichloropropene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Bromoform	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
4-Methyl-2-pentanone	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
2-Hexanone	12	U	ug/kg	12	60	U	ug/kg	60	12	U	ug/kg	12	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Toluene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Chlorobenzene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Ethylbenzene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Styrene	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7
Xylenes (total)	6	U	ug/kg	6	30	U	ug/kg	30	6	U	ug/kg	6	7	U	ug/kg	7

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2WLW			A2WLV			A2WM3		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF8SB15			CF8SB16			CF8SB17		
Collect Date:	18-FEB-95			18-FEB-95			20-FEB-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	16 U	ug/kg	16
Bromomethane	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Vinyl chloride	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Chloroethane	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Methylene chloride	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Acetone	12 UJ	ug/kg	12	12 UJ	ug/kg	12	16 UJ	ug/kg	16
Carbon disulfide	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1-Dichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloroethene (total)	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Chloroform	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
2-Butanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
1,1,1-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Carbon tetrachloride	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Bromodichloromethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloropropane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
cis-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Trichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Dibromochloromethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1,2-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Benzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
trans-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Bromoform	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
4-Methyl-2-pentanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
2-Hexanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Tetrachloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Toluene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1,2,2-Tetrachloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Chlorobenzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Ethylbenzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Styrene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Xylenes (total)	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W1X				A2W21				A2W25				A2W28			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB1				CF8SB2				CF8SB3				CF8SB4			
Collect Date:	16-FEB-95				16-FEB-95				17-FEB-95				17-FEB-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	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
bis(2-Chloroethyl) ether	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2-Chlorophenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
1,3-Dichlorobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
1,4-Dichlorobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
1,2-Dichlorobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2-Methylphenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Methylphenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Hexachloroethane	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Nitrobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Isophorone	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2-Nitrophenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4-Dimethylphenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4-Dichlorophenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
1,2,4-Trichlorobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Naphthalene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Chloroaniline	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Hexachlorobutadiene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Chloro-3-methylphenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2-Methylnaphthalene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Hexachlorocyclopentadiene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4,6-Trichlorophenol	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4,5-Trichlorophenol	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
2-Chloronaphthalene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2-Nitroaniline	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
Dimethylphthalate	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Acenaphthylene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,6-Dinitrotoluene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
3-Nitroaniline	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
Acenaphthene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4-Dinitrophenol	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
4-Nitrophenol	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
Dibenzofuran	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
2,4-Dinitrotoluene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Diethylphthalate	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Chlorophenyl-phenylether	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Fluorene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Nitroaniline	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
4,6-Dinitro-2-methylphenol	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
4-Bromophenyl-phenylether	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Hexachlorobenzene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Pentachlorophenol	920	U	ug/kg	920	910	U	ug/kg	910	900	U	ug/kg	900	950	U	ug/kg	950
Phenanthrene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Anthracene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Carbazole	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Di-n-butylphthalate	750		ug/kg	380	1800		ug/kg	370	2400		ug/kg	370	2800		ug/kg	390

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W1X				A2W21				A2W25				A2W28			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB1				CF8SB2				CF8SB3				CF8SB4			
Collect Date:	16-FEB-95				16-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Pyrene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Butylbenzylphthalate	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
3,3-Dichlorobenzidine	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Benzo (a) anthracene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Chrysene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Di-n-octylphthalate	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Benzo (b) fluoranthene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Benzo (k) fluoranthene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Benzo (a) pyrene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Dibenzo (a,h) anthracene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390
Benzo (g,h,i) perylene	380	U	ug/kg	380	370	U	ug/kg	370	370	U	ug/kg	370	390	U	ug/kg	390

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2A				A2W2E				A2W2F				A2W2H			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB5				CF8SB6				CF8SB7				CF8SB7D			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-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	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
bis(2-Chloroethyl) ether	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2-Chlorophenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
1,3-Dichlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
1,4-Dichlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
1,2-Dichlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2-Methylphenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
4-Methylphenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
N-Nitroso-di-n-propylamine	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Hexachloroethane	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Nitrobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Isophorone	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2-Nitrophenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,4-Dimethylphenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,4-Dichlorophenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
1,2,4-Trichlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Naphthalene	380	U	ug/kg	380	390	U	ug/kg	390	14000		ug/kg	3800	21000		ug/kg	3700
4-Chloroaniline	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Hexachlorobutadiene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
4-Chloro-3-methylphenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2-Methylnaphthalene	380	U	ug/kg	380	390	U	ug/kg	390	44000	J	ug/kg	3800	66000	J	ug/kg	3700
Hexachlorocyclopentadiene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,4,6-Trichlorophenol	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,4,5-Trichlorophenol	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
2-Chloronaphthalene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2-Nitroaniline	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
Dimethylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Acenaphthylene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,6-Dinitrotoluene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
3-Nitroaniline	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
Acenaphthene	380	U	ug/kg	380	390	U	ug/kg	390	600	J	ug/kg	3800	890	J	ug/kg	3700
2,4-Dinitrophenol	930	U	ug/kg	930	960	U	ug/kg	960	9400	UJ	ug/kg	9400	9100	U	ug/kg	9100
4-Nitrophenol	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
Dibenzofuran	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
2,4-Dinitrotoluene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Diethylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
4-Chlorophenyl-phenylether	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Fluorene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	1000	J	ug/kg	3700

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2A				A2W2E				A2W2F				A2W2H			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB5				CF8SB6				CF8SB7				CF8SB7D			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
4,6-Dinitro-2-methylphenol	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
4-Bromophenyl-phenylether	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Hexachlorobenzene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Pentachlorophenol	930	U	ug/kg	930	960	U	ug/kg	960	9400	U	ug/kg	9400	9100	U	ug/kg	9100
Phenanthrene	380	U	ug/kg	380	390	U	ug/kg	390	230	J	ug/kg	3800	370	J	ug/kg	3700
Anthracene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Carbazole	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Di-n-butylphthalate	3200	J	ug/kg	380	54	J	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	26000		ug/kg	3800	45000	J	ug/kg	3700
Pyrene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Butylbenzylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
3,3-Dichlorobenzidine	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Benzo (a) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Chrysene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	590	J	ug/kg	3700
Di-n-octylphthalate	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Benzo (b) fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Benzo (k) fluoranthene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Benzo (a) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Dibenzo (a,h) anthracene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700
Benzo (g,h,i) perylene	380	U	ug/kg	380	390	U	ug/kg	390	3800	U	ug/kg	3800	3700	U	ug/kg	3700

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2J			A2W2K			A2W2M			A2W2N		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB8			CF8SB9			CF8SB10			CF8SB11		
Collect Date:	17-FEB-95			17-FEB-95			17-FEB-95			17-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
bis(2-Chloroethyl) ether	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2-Chlorophenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
1,3-Dichlorobenzene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
1,4-Dichlorobenzene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
1,2-Dichlorobenzene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2-Methylphenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,2-oxybis(1-Chloropropane)	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
4-Methylphenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
N-Nitroso-di-n-propylamine	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Hexachloroethane	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Nitrobenzene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Isophorone	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2-Nitrophenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dimethylphenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
bis(2-Chloroethoxy) methane	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dichlorophenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
1,2,4-Trichlorobenzene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Naphthalene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
4-Chloroaniline	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Hexachlorobutadiene	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
4-Chloro-3-methylphenol	400 U	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2-Methylnaphthalene	120 J	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Hexachlorocyclopentadiene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4,6-Trichlorophenol	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4,5-Trichlorophenol	960 UJ	ug/kg	960	940 U	ug/kg	940	960 U	ug/kg	960	960 U	ug/kg	960
2-Chloronaphthalene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2-Nitroaniline	960 UJ	ug/kg	960	940 U	ug/kg	940	960 U	ug/kg	960	960 U	ug/kg	960
Dimethylphthalate	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Acenaphthylene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,6-Dinitrotoluene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
3-Nitroaniline	960 UJ	ug/kg	960	940 U	ug/kg	940	960 U	ug/kg	960	960 U	ug/kg	960
Acenaphthene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dinitrophenol	960 UJ	ug/kg	960	940 U	ug/kg	940	960 U	ug/kg	960	960 U	ug/kg	960
4-Nitrophenol	960 UJ	ug/kg	960	940 U	ug/kg	940	960 U	ug/kg	960	960 U	ug/kg	960
Dibenzofuran	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
2,4-Dinitrotoluene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Diethylphthalate	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
4-Chlorophenyl-phenylether	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400
Fluorene	400 UJ	ug/kg	400	390 U	ug/kg	390	400 U	ug/kg	400	400 U	ug/kg	400

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2J				A2W2K				A2W2M				A2W2N			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB8				CF8SB9				CF8SB10				CF8SB11			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	960	UJ	ug/kg	960	940	U	ug/kg	940	960	U	ug/kg	960	960	U	ug/kg	960
4,6-Dinitro-2-methylphenol	960	UJ	ug/kg	960	940	U	ug/kg	940	960	U	ug/kg	960	960	U	ug/kg	960
N-Nitrosodiphenylamine (1)	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
4-Bromophenyl-phenylether	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Hexachlorobenzene	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Pentachlorophenol	960	UJ	ug/kg	960	940	U	ug/kg	940	960	U	ug/kg	960	960	U	ug/kg	960
Phenanthrene	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Anthracene	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Carbazole	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Di-n-butylphthalate	41	J	ug/kg	400	65	J	ug/kg	380	130	J	ug/kg	390	400	U	ug/kg	400
Fluoranthene	90	J	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Pyrene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Butylbenzylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
3,3-Dichlorobenzidine	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) anthracene	400	UJ	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Chrysene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Di-n-octylphthalate	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (b) fluoranthene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (k) fluoranthene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (a) pyrene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Dibenzo (a,h) anthracene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400
Benzo (g,h,i) perylene	400	U	ug/kg	400	390	U	ug/kg	390	400	U	ug/kg	400	400	U	ug/kg	400

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2Q				A2W2T				A2WLX				A2W2V			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB12				CF8SB12D				CF8SB13				CF8SB14			
Collect Date:	17-FEB-95				17-FEB-95				18-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
bis(2-Chloroethyl) ether	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2-Chlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
1,3-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
1,4-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
1,2-Dichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
4-Methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Hexachloroethane	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Nitrobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Isophorone	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2-Nitrophenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4-Dimethylphenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4-Dichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
1,2,4-Trichlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Naphthalene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
4-Chloroaniline	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Hexachlorobutadiene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
4-Chloro-3-methylphenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2-Methylnaphthalene	48	J	ug/kg	390	44	J	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Hexachlorocyclopentadiene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4,6-Trichlorophenol	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4,5-Trichlorophenol	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
2-Chloronaphthalene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2-Nitroaniline	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
Dimethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Acenaphthylene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,6-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
3-Nitroaniline	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
Acenaphthene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4-Dinitrophenol	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
4-Nitrophenol	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
Dibenzofuran	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
2,4-Dinitrotoluene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Diethylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
4-Chlorophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Fluorene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2W2Q				A2W2T				A2WLX				A2W2V			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB12				CF8SB12D				CF8SB13				CF8SB14			
Collect Date:	17-FEB-95				17-FEB-95				18-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
4-Bromophenyl-phenylether	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Hexachlorobenzene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Pentachlorophenol	950	U	ug/kg	950	950	U	ug/kg	950	970	U	ug/kg	970	1100	U	ug/kg	1100
Phenanthrene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Anthracene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Carbazole	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Di-n-butylphthalate	390	U	ug/kg	390	26	J	ug/kg	390	34	J	ug/kg	400	61	J	ug/kg	440
Fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Pyrene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Butylbenzylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
3,3-Dichlorobenzidine	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Benzo (a) anthracene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Chrysene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
bis(2-Ethylhexyl) phthalate	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Di-n-octylphthalate	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Benzo (b) fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Benzo (k) fluoranthene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Benzo (a) pyrene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Dibenzo (a,h) anthracene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440
Benzo (g,h,i) perylene	390	U	ug/kg	390	390	U	ug/kg	390	400	U	ug/kg	400	440	U	ug/kg	440

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Chloroethyl) ether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Chlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,3-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,4-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,2-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachloroethane	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Nitrobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Isophorone	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Nitrophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dimethylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dichlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,2,4-Trichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Naphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chloroaniline	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorobutadiene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chloro-3-methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Methylnaphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorocyclopentadiene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4,6-Trichlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4,5-Trichlorophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
2-Chloronaphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Dimethylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Acenaphthylene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,6-Dinitrotoluene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
3-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Acenaphthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dinitrophenol	940	UJ	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
4-Nitrophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Dibenzofuran	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dinitrotoluene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Diethylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chlorophenyl-phenylether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Fluorene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
4,6-Dinitro-2-methylphenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Bromophenyl-phenylether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Pentachlorophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Phenanthrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Carbazole	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Di-n-butylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Butylbenzylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
3,3-Dichlorobenzidine	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (a) anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Chrysene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Ethylhexyl) phthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Di-n-octylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (b) fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (k) fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (a) pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Dibenzo (a,h) anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (g,h,i) perylene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2W1X			A2W21			A2W25			A2W28		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB1			CF8SB2			CF8SB3			CF8SB4		
Collect Date:	16-FEB-95			16-FEB-95			17-FEB-95			17-FEB-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 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
beta-BHC	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
delta-BHC	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
gamma-BHC (Lindane)	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Heptachlor	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Aldrin	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Heptachlor epoxide	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Endosulfan I	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Dieldrin	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
4,4-DDE	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
Endrin	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
Endosulfan II	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
4,4-DDD	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
Endosulfan sulfate	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
4,4-DDT	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
Methoxychlor	19 UJ	ug/kg	19	19 U	ug/kg	19	19 U	ug/kg	19	20 U	ug/kg	20
Endrin ketone	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
Endrin aldehyde	3.8 UJ	ug/kg	3.8	3.8 U	ug/kg	3.8	3.8 U	ug/kg	3.8	4 U	ug/kg	4
alpha-Chlordane	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
gamma-Chlordane	1.9 UJ	ug/kg	1.9	1.9 U	ug/kg	1.9	1.9 U	ug/kg	1.9	2 U	ug/kg	2
Toxaphene	190 UJ	ug/kg	190	190 U	ug/kg	190	190 U	ug/kg	190	200 U	ug/kg	200
Aroclor-1016	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40
Aroclor-1221	77 UJ	ug/kg	77	76 U	ug/kg	76	76 U	ug/kg	76	79 U	ug/kg	79
Aroclor-1232	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40
Aroclor-1242	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40
Aroclor-1248	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40
Aroclor-1254	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40
Aroclor-1260	38 UJ	ug/kg	38	38 U	ug/kg	38	38 U	ug/kg	38	40 U	ug/kg	40

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2W2A			A2W2E			A2W2F			A2W2H		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB5			CF8SB6			CF8SB7			CF8SB7D		
Collect Date:	17-FEB-95			17-FEB-95			17-FEB-95			17-FEB-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	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
beta-BHC	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
delta-BHC	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
gamma-BHC (Lindane)	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Heptachlor	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Aldrin	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Heptachlor epoxide	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Endosulfan I	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Dieldrin	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
4,4-DDE	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
Endrin	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
Endosulfan II	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
4,4-DDD	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
Endosulfan sulfate	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
4,4-DDT	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
Methoxychlor	19	U ug/kg	19	20	U ug/kg	20	20	U ug/kg	20	19	U ug/kg	19
Endrin ketone	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
Endrin aldehyde	3.9	U ug/kg	3.9	4	U ug/kg	4	3.9	U ug/kg	3.9	3.8	U ug/kg	3.8
alpha-Chlordane	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
gamma-Chlordane	1.9	U ug/kg	1.9	2	U ug/kg	2	2	U ug/kg	2	1.9	U ug/kg	1.9
Toxaphene	190	U ug/kg	190	200	U ug/kg	200	200	U ug/kg	200	190	U ug/kg	190
Aroclor-1016	39	U ug/kg	39	40	U ug/kg	40	39	U ug/kg	39	38	U ug/kg	38
Aroclor-1221	77	U ug/kg	77	79	U ug/kg	79	78	U ug/kg	78	76	U ug/kg	76
Aroclor-1232	39	U ug/kg	39	40	U ug/kg	40	39	U ug/kg	39	38	U ug/kg	38
Aroclor-1242	39	U ug/kg	39	40	U ug/kg	40	39	U ug/kg	39	38	U ug/kg	38
Aroclor-1248	39	U ug/kg	39	40	U ug/kg	40	39	U ug/kg	39	38	U ug/kg	38
Aroclor-1254	39	U ug/kg	39	40	U ug/kg	40	39	U ug/kg	39	38	U ug/kg	38
Aroclor-1260	39	U ug/kg	39	40	U ug/kg	40	180	ug/kg	39	150	ug/kg	38

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2W2J			A2W2K			A2W2M			A2W2N		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB8			CF8SB9			CF8SB10			CF8SB11		
Collect Date:	17-FEB-95			17-FEB-95			17-FEB-95			17-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	2 U	ug/kg	2	2 U	ug/kg	2	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	2 U	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	4 U	ug/kg	4	3.9 U	ug/kg	3.9	4 U	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	4 U	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	4 U	ug/kg	4	3.9 U	ug/kg	3.9	1 U	ug/kg	1	4 U	ug/kg	4
Methoxychlor	20 U	ug/kg	20	20 U	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	2 U	ug/kg	2	2 U	ug/kg	2	2 U	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	80 U	ug/kg	80	78 U	ug/kg	78	80 U	ug/kg	80	81 U	ug/kg	81
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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2W2Q			A2W2T			A2WLX			A2W2V		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB12			CF8SB12D			CF8SB13			CF8SB14		
Collect Date:	17-FEB-95			17-FEB-95			18-FEB-95			17-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
beta-BHC	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
delta-BHC	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
gamma-BHC (Lindane)	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Heptachlor	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Aldrin	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Heptachlor epoxide	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Endosulfan I	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Dieldrin	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
4,4-DDE	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
Endrin	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
Endosulfan II	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
4,4-DDD	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
Endosulfan sulfate	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
4,4-DDT	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
Methoxychlor	20	U ug/kg	20	20	U ug/kg	20	2.7	J ug/kg	20	22	UJ ug/kg	22
Endrin ketone	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
Endrin aldehyde	4	U ug/kg	4	4	U ug/kg	4	4	U ug/kg	4	4.4	UJ ug/kg	4.4
alpha-Chlordane	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
gamma-Chlordane	2	U ug/kg	2	2	U ug/kg	2	2	U ug/kg	2	2.2	UJ ug/kg	2.2
Toxaphene	200	U ug/kg	200	200	U ug/kg	200	200	U ug/kg	200	220	UJ ug/kg	220
Aroclor-1016	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44
Aroclor-1221	79	U ug/kg	79	80	U ug/kg	80	80	U ug/kg	80	89	UJ ug/kg	89
Aroclor-1232	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44
Aroclor-1242	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44
Aroclor-1248	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44
Aroclor-1254	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44
Aroclor-1260	40	U ug/kg	40	40	U ug/kg	40	40	U ug/kg	40	44	UJ ug/kg	44

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2WLW			A2WLV			A2WM3		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF8SB15			CF8SB16			CF8SB17		
Collect Date:	18-FEB-95			18-FEB-95			20-FEB-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	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
beta-BHC	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
delta-BHC	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
gamma-BHC (Lindane)	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Heptachlor	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Aldrin	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Heptachlor epoxide	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Endosulfan I	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Dieldrin	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDE	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endrin	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endosulfan II	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDD	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endosulfan sulfate	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDT	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Methoxychlor	1.7 J	ug/kg	20	1.1 J	ug/kg	20	28 U	ug/kg	28
Endrin ketone	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endrin aldehyde	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
alpha-Chlordane	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
gamma-Chlordane	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Toxaphene	200 U	ug/kg	200	190 UJ	ug/kg	190	280 U	ug/kg	280
Aroclor-1016	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1221	78 U	ug/kg	78	77 UJ	ug/kg	77	110 U	ug/kg	110
Aroclor-1232	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1242	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1248	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1254	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1260	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2W3T				A2W3V				A2W3W				A2W3X			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB1				CF8SB2				CF8SB3				CF8SB4			
Collect Date:	16-FEB-95				16-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	11	U	mg/kg	11	16		mg/kg	11	12		mg/kg	11	12		mg/kg	12

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2W42				A2W43				A2W44				A2W45			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB5				CF8SB6				CF8SB7				CF8SB7D			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	12	U	mg/kg	12	12	U	mg/kg	12	9700		mg/kg	580	8300		mg/kg	570

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2W46			A2W47			A2W48			A2W49		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SB8			CF8SB9			CF8SB10			CF8SB11		
Collect Date:	17-FEB-95			17-FEB-95			17-FEB-95			17-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	24	mg/kg	12	12	mg/kg	12	34	mg/kg	12	12 U	mg/kg	12

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2W4A				A2W4C				A2WM2				A2W4D			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB12				CF8SB12D				CF8SB13				CF8SB14			
Collect Date:	17-FEB-95				17-FEB-95				18-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	51		mg/kg	12	47		mg/kg	12	85		mg/kg	12	300		mg/kg	27

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WM1				A2WM0				A2WN4			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	18		mg/kg	12	27		mg/kg	12	110	J	mg/kg	16

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7401
SUBSURFACE SOIL -- TOTAL ORGANIC CARBON

Lab Sample Number:		A2MH5			A2MH6			A2MH7			A2MH8		
Site		CECIL3			CECIL3			CECIL3			CECIL3		
Locator		CF8SSB23(8-10)			CF8SSB23(16-18)			CF8SSB23(44-46)			CF8SSB23(58-60)		
Collect Date:		05-FEB-95			05-FEB-95			05-FEB-95			05-FEB-95		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC	mg/kg												
Total organic carbon		900	mg/kg	120	670	mg/kg	120	1300	mg/kg	150	3500	mg/kg	130

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7401
SUBSURFACE SOIL -- TOTAL ORGANIC CARBON

Lab Sample Number:		A2MH9			A2MHA		
Site		CECIL3			CECIL3		
Locator		CF8SSB23(74-76)			CF8SSB23(86-88)		
Collect Date:		05-FEB-95			05-FEB-95		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC	mg/kg						
Total organic carbon		3600	mg/kg	130	4200	mg/kg	130

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2W1X				A2W21				A2W25				A2W28			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB1				CF8SB2				CF8SB3				CF8SB4			
Collect Date:	16-FEB-95				16-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1490	J	mg/kg	40	1800	J	mg/kg	40	1620	J	mg/kg	40	1630	J	mg/kg	40
Antimony	.59	U	mg/kg	12	.45	U	mg/kg	12	.45	U	mg/kg	12	.48	U	mg/kg	12
Arsenic	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.1	U	mg/kg	20	1.2	U	mg/kg	20
Barium	3.7		mg/kg	40	3.4		mg/kg	40	2.8		mg/kg	40	1.9	U	mg/kg	40
Beryllium	.23	U	mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.23	U	mg/kg	1	.22	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1
Calcium	1000		mg/kg	1000	188		mg/kg	1000	320		mg/kg	1000	419		mg/kg	1000
Chromium	4.1	J	mg/kg	2	15		mg/kg	2	4.9	J	mg/kg	2	4.3	J	mg/kg	2
Cobalt	.23	UJ	mg/kg	10	.22	UJ	mg/kg	10	.23	UJ	mg/kg	10	.24	UJ	mg/kg	10
Copper	.77	U	mg/kg	5	.45	U	mg/kg	5	.45	U	mg/kg	5	.48	U	mg/kg	5
Iron	285	J	mg/kg	20	629	J	mg/kg	20	492	J	mg/kg	20	320	J	mg/kg	20
Lead	2.2	J	mg/kg	.6	2.5	J	mg/kg	.6	1.8	J	mg/kg	.6	2.3	J	mg/kg	.6
Magnesium	42.7		mg/kg	1000	38.6		mg/kg	1000	57.5		mg/kg	1000	52.6		mg/kg	1000
Manganese	2.9		mg/kg	3	4.1		mg/kg	3	2.7		mg/kg	3	2.2		mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	1.2		mg/kg	8	4.1		mg/kg	8	.96		mg/kg	8	.99		mg/kg	8
Potassium	57.4	U	mg/kg	1000	51.1	U	mg/kg	1000	53.8	U	mg/kg	1000	54.2	U	mg/kg	1000
Selenium	.91	U	mg/kg	1	.89	U	mg/kg	1	.9	U	mg/kg	1	.95	U	mg/kg	1
Silver	.23	U	mg/kg	2	.22	U	mg/kg	2	.23	U	mg/kg	2	.24	U	mg/kg	2
Sodium	13.6	UJ	mg/kg	1000	13.4	UJ	mg/kg	1000	13.6	UJ	mg/kg	1000	14.3	UJ	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	2.4		mg/kg	10	2		mg/kg	10	1.9		mg/kg	10	1.9		mg/kg	10
Zinc	3.2	U	mg/kg	4	3.6	U	mg/kg	4	5.2	U	mg/kg	4	3.8	U	mg/kg	4
Cyanide	.54	U	mg/kg	.5	.55	U	mg/kg	.5	.51	U	mg/kg	.5	.6	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2W2A				A2W2E				A2W2F				A2W2H			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB5				CF8SB6				CF8SB7				CF8SB7D			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2090	J	mg/kg	40	8420	J	mg/kg	40	5610	J	mg/kg	40	2990	J	mg/kg	40
Antimony	.46	U	mg/kg	12	.47	U	mg/kg	12	.46	U	mg/kg	12	.45	U	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.1	U	mg/kg	20
Barium	1.3	U	mg/kg	40	6.6		mg/kg	40	6.1		mg/kg	40	3.8		mg/kg	40
Beryllium	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.22	U	mg/kg	1
Cadmium	.23	U	mg/kg	1	.23	U	mg/kg	1	.23	U	mg/kg	1	.22	U	mg/kg	1
Calcium	327		mg/kg	1000	115	U	mg/kg	1000	3340		mg/kg	1000	3930		mg/kg	1000
Chromium	3.2	J	mg/kg	2	10.2	J	mg/kg	2	8.7	J	mg/kg	2	7.4	J	mg/kg	2
Cobalt	.23	UJ	mg/kg	10	.23	UJ	mg/kg	10	.23	UJ	mg/kg	10	.22	UJ	mg/kg	10
Copper	.46	U	mg/kg	5	.47	U	mg/kg	5	.46	U	mg/kg	5	.72	U	mg/kg	5
Iron	137	J	mg/kg	20	670	J	mg/kg	20	334	J	mg/kg	20	186	J	mg/kg	20
Lead	1.6	J	mg/kg	.6	5.5	J	mg/kg	.6	4.9	J	mg/kg	.6	3.3	J	mg/kg	.6
Magnesium	29.9		mg/kg	1000	134		mg/kg	1000	105		mg/kg	1000	83.3		mg/kg	1000
Manganese	1.9		mg/kg	3	3.3		mg/kg	3	2.5		mg/kg	3	2.1		mg/kg	3
Mercury	.11	U	mg/kg	.1	.13	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1
Nickel	.46	U	mg/kg	8	2.6		mg/kg	8	1.5		mg/kg	8	1.2		mg/kg	8
Potassium	43	U	mg/kg	1000	105	U	mg/kg	1000	199		mg/kg	1000	164		mg/kg	1000
Selenium	.93	U	mg/kg	1	.94	U	mg/kg	1	.93	U	mg/kg	1	.9	U	mg/kg	1
Silver	.23	U	mg/kg	2	.23	U	mg/kg	2	.23	U	mg/kg	2	.22	U	mg/kg	2
Sodium	13.9	UJ	mg/kg	1000	14.1	UJ	mg/kg	1000	13.9	UJ	mg/kg	1000	13.5	UJ	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.3	UJ	mg/kg	2
Vanadium	2.6		mg/kg	10	4.4		mg/kg	10	2.9		mg/kg	10	1.8		mg/kg	10
Zinc	3.2	U	mg/kg	4	4.9	U	mg/kg	4	2.9	U	mg/kg	4	4.8	U	mg/kg	4
Cyanide	.57	U	mg/kg	.5	.53	U	mg/kg	.5	.58	U	mg/kg	.5	.47	U	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2W2J				A2W2K				A2W2M				A2W2N			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB8				CF8SB9				CF8SB10				CF8SB11			
Collect Date:	17-FEB-95				17-FEB-95				17-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3650	J	mg/kg	40	7070	J	mg/kg	40	8960	J	mg/kg	40	10700	J	mg/kg	40
Antimony	.48	U	mg/kg	12	.47	U	mg/kg	12	.48	U	mg/kg	12	.47	U	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.2	U	mg/kg	20
Barium	3.3		mg/kg	40	5.1		mg/kg	40	8		mg/kg	40	9.8		mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.23	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1
Calcium	771		mg/kg	1000	534		mg/kg	1000	1730		mg/kg	1000	630		mg/kg	1000
Chromium	10.1	J	mg/kg	2	16.7		mg/kg	2	11.9	J	mg/kg	2	14.6		mg/kg	2
Cobalt	.24	UJ	mg/kg	10	.23	UJ	mg/kg	10	.24	UJ	mg/kg	10	.24	UJ	mg/kg	10
Copper	.48	U	mg/kg	5	.47	U	mg/kg	5	.48	U	mg/kg	5	.47	U	mg/kg	5
Iron	377	J	mg/kg	20	484	J	mg/kg	20	584	J	mg/kg	20	414	J	mg/kg	20
Lead	3.2	J	mg/kg	.6	5.8	J	mg/kg	.6	6.9	J	mg/kg	.6	6.6	J	mg/kg	.6
Magnesium	192		mg/kg	1000	85.8		mg/kg	1000	108		mg/kg	1000	86.1		mg/kg	1000
Manganese	3.7		mg/kg	3	3		mg/kg	3	3.5		mg/kg	3	3		mg/kg	3
Mercury	.11	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	2.4		mg/kg	8	2.8		mg/kg	8	2.2		mg/kg	8	2.5		mg/kg	8
Potassium	74.7	U	mg/kg	1000	104	U	mg/kg	1000	119	U	mg/kg	1000	102	U	mg/kg	1000
Selenium	.97	U	mg/kg	1	.94	U	mg/kg	1	.97	U	mg/kg	1	.94	U	mg/kg	1
Silver	.24	U	mg/kg	2	.23	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2
Sodium	14.5	UJ	mg/kg	1000	14.1	UJ	mg/kg	1000	14.5	UJ	mg/kg	1000	14.2	UJ	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.5	UJ	mg/kg	2	1.4	UJ	mg/kg	2
Vanadium	2.3		mg/kg	10	3.7		mg/kg	10	3.6		mg/kg	10	3.6		mg/kg	10
Zinc	4.7	U	mg/kg	4	2.7	U	mg/kg	4	3.6	U	mg/kg	4	3.4	U	mg/kg	4
Cyanide	.54	U	mg/kg	.5	.54	U	mg/kg	.5	.53	U	mg/kg	.5	.52	U	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 OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2W2Q				A2W2T				A2WLX				A2W2V			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB12				CF8SB12D				CF8SB13				CF8SB14			
Collect Date:	17-FEB-95				17-FEB-95				18-FEB-95				17-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	6580	J	mg/kg	40	10400	J	mg/kg	40	3930	J	mg/kg	40	9100	J	mg/kg	40
Antimony	.48	U	mg/kg	12	.47	U	mg/kg	12	.48	U	mg/kg	12	.56	U	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.3	U	mg/kg	20
Barium	5		mg/kg	40	8.4		mg/kg	40	1.8	U	mg/kg	40	5.1		mg/kg	40
Beryllium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.27	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.24	U	mg/kg	1	.24	U	mg/kg	1	.27	U	mg/kg	1
Calcium	1840		mg/kg	1000	878		mg/kg	1000	237		mg/kg	1000	3700		mg/kg	1000
Chromium	10.1	J	mg/kg	2	17.5		mg/kg	2	8.4	J	mg/kg	2	15.6		mg/kg	2
Cobalt	.24	UJ	mg/kg	10	.34	J	mg/kg	10	.24	UJ	mg/kg	10	.27	UJ	mg/kg	10
Copper	.48	U	mg/kg	5	.56	U	mg/kg	5	.48	U	mg/kg	5	.54	U	mg/kg	5
Iron	422	J	mg/kg	20	894	J	mg/kg	20	146	J	mg/kg	20	626	J	mg/kg	20
Lead	7.6	J	mg/kg	.6	8.8	J	mg/kg	.6	3.8	J	mg/kg	.6	8.4	J	mg/kg	.6
Magnesium	105		mg/kg	1000	175		mg/kg	1000	30.8		mg/kg	1000	347		mg/kg	1000
Manganese	4.5		mg/kg	3	5.8		mg/kg	3	2.3		mg/kg	3	8.3		mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	1.5		mg/kg	8	2.6		mg/kg	8	.91	J	mg/kg	8	1.8		mg/kg	8
Potassium	220		mg/kg	1000	288		mg/kg	1000	60.6	U	mg/kg	1000	258		mg/kg	1000
Selenium	.96	U	mg/kg	1	.94	U	mg/kg	1	.96	U	mg/kg	1	1.1	U	mg/kg	1
Silver	.24	U	mg/kg	2	.24	U	mg/kg	2	.24	U	mg/kg	2	.27	U	mg/kg	2
Sodium	14.5	UJ	mg/kg	1000	14.2	UJ	mg/kg	1000	14.4	UJ	mg/kg	1000	16.2	UJ	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.6	UJ	mg/kg	2
Vanadium	3.3		mg/kg	10	5.2		mg/kg	10	3.4		mg/kg	10	4.6		mg/kg	10
Zinc	3.7	U	mg/kg	4	3.9	U	mg/kg	4	5.7	U	mg/kg	4	3.7	U	mg/kg	4
Cyanide	.56	U	mg/kg	.5	.52	U	mg/kg	.5	.57	U	mg/kg	.5	.62	U	mg/kg	.5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	3550	J	mg/kg	40	2470	J	mg/kg	40	781	J	mg/kg	40
Antimony	.47	U	mg/kg	12	.57	U	mg/kg	12	.9	J	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.6	U	mg/kg	20
Barium	5		mg/kg	40	4.5		mg/kg	40	2.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.32	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.23	U	mg/kg	1	.32	U	mg/kg	1
Calcium	404		mg/kg	1000	804		mg/kg	1000	139	UJ	mg/kg	1000
Chromium	8.4	J	mg/kg	2	4.5	J	mg/kg	2	1.6	UJ	mg/kg	2
Cobalt	.24	UJ	mg/kg	10	.23	UJ	mg/kg	10	.32	UJ	mg/kg	10
Copper	1.4	U	mg/kg	5	.46	U	mg/kg	5	.64	U	mg/kg	5
Iron	446	J	mg/kg	20	354	J	mg/kg	20	729	J	mg/kg	20
Lead	4.2	J	mg/kg	.6	3.1	J	mg/kg	.6	4.3	J	mg/kg	.6
Magnesium	96.9		mg/kg	1000	93.6		mg/kg	1000	34.4	U	mg/kg	1000
Manganese	2.7		mg/kg	3	2.3		mg/kg	3	1.4	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.15	U	mg/kg	.1
Nickel	1.5		mg/kg	8	1.2		mg/kg	8	1		mg/kg	8
Potassium	73.2	U	mg/kg	1000	68.3	U	mg/kg	1000	19	U	mg/kg	1000
Selenium	.94	U	mg/kg	1	.92	U	mg/kg	1	1.3	U	mg/kg	1
Silver	.24	U	mg/kg	2	.23	U	mg/kg	2	.32	U	mg/kg	2
Sodium	14.1	UJ	mg/kg	1000	13.9	UJ	mg/kg	1000	21.9	U	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.9	UJ	mg/kg	2
Vanadium	2.9		mg/kg	10	2		mg/kg	10	1.9		mg/kg	10
Zinc	3.1	U	mg/kg	4	3.3	U	mg/kg	4	4	UJ	mg/kg	4
Cyanide	.51	U	mg/kg	.5	.57	U	mg/kg	.5	.73	U	mg/kg	.5

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Section 1.8

Site 8, Confirmatory Groundwater Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A405Q				A418V				A418W				A4951			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	705		ug/l	200	253	U	ug/l	200	278	U	ug/l	200	2430		ug/l	200
Antimony	2	UJ	ug/l	60	3	U	ug/l	60	3	U	ug/l	60	3	U	ug/l	60
Arsenic	5	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	3	UJ	ug/l	10
Barium	17.6		ug/l	200	20		ug/l	200	27.1		ug/l	200	38.5		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	2	U	ug/l	5
Calcium	15600		ug/l	5000	1730		ug/l	5000	45900		ug/l	5000	6910		ug/l	5000
Chromium	1	U	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2.7		ug/l	10
Cobalt	2.2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	3.1	U	ug/l	50
Copper	2	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25	11.7		ug/l	25
Iron	2000		ug/l	100	1990	J	ug/l	100	495	J	ug/l	100	2820		ug/l	100
Lead	2	UJ	ug/l	5	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	884		ug/l	5000	728		ug/l	5000	10000		ug/l	5000	1220		ug/l	5000
Manganese	41		ug/l	15	26.3		ug/l	15	41.9		ug/l	15	20	J	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	2	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40	4.9	J	ug/l	40
Potassium	180		ug/l	5000	542		ug/l	5000	1160		ug/l	5000	720		ug/l	5000
Selenium	4	UJ	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	5130		ug/l	5000	2790		ug/l	5000	5570		ug/l	5000	10600		ug/l	5000
Thallium	8.1	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10
Vanadium	6.5		ug/l	50	2	U	ug/l	50	2	U	ug/l	50	3.3		ug/l	50
Zinc	8.2	U	ug/l	20	5.1	U	ug/l	20	7.9	U	ug/l	20	46.7	U	ug/l	20
Cyanide	5.6	UJ	ug/l	10	2	J	ug/l	10	2	UJ	ug/l	10	2	U	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A4954				A405M				A405H				A41X2			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW4SD				CF8MW5S				CF8MW6S				CF8MW7S			
Collect Date:	27-APR-95				12-APR-95				12-APR-95				14-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2780		ug/l	200	221	U	ug/l	200	415		ug/l	200	520	U	ug/l	200
Antimony	3	U	ug/l	60	4.1	UJ	ug/l	60	2	UJ	ug/l	60	3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	3	U	ug/l	10
Barium	38.3		ug/l	200	7.1	U	ug/l	200	11.2	U	ug/l	200	22.4		ug/l	200
Beryllium	1.4	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	6290		ug/l	5000	18400		ug/l	5000	8680		ug/l	5000	13000		ug/l	5000
Chromium	2.5		ug/l	10	1	U	ug/l	10	1	U	ug/l	10	2	UJ	ug/l	10
Cobalt	2.2	U	ug/l	50	2.2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	3	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25	3	U	ug/l	25
Iron	2790		ug/l	100	326		ug/l	100	384		ug/l	100	1710	J	ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	3
Magnesium	1100		ug/l	5000	264		ug/l	5000	802		ug/l	5000	1020		ug/l	5000
Manganese	17.1	U	ug/l	15	10.6		ug/l	15	20.4		ug/l	15	23.3		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	2	U	ug/l	40	2	U	ug/l	40	3	U	ug/l	40
Potassium	690		ug/l	5000	63.9	UJ	ug/l	5000	368		ug/l	5000	238		ug/l	5000
Selenium	4.9		ug/l	5	4	UJ	ug/l	5	4	UJ	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	9570		ug/l	5000	2380		ug/l	5000	1220		ug/l	5000	13100		ug/l	5000
Thallium	4	U	ug/l	10	8.6	U	ug/l	10	8.4	U	ug/l	10	4	U	ug/l	10
Vanadium	3.5		ug/l	50	1.1		ug/l	50	1	U	ug/l	50	2.2		ug/l	50
Zinc	26.9	U	ug/l	20	12.4	U	ug/l	20	5.5	U	ug/l	20	44.5		ug/l	20
Cyanide	2	U	ug/l	10	4.9	UJ	ug/l	10	4.7	UJ	ug/l	10	2	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A472W				A41X3				A48AD				A48AJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	15300	J	ug/l	200	192	U	ug/l	200	3030	J	ug/l	200	7150	J	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	3	U	ug/l	10	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	28.6		ug/l	200	19.6		ug/l	200	41.7		ug/l	200	41.6		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1.3	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	2680		ug/l	5000	5460		ug/l	5000	6200		ug/l	5000	5530		ug/l	5000
Chromium	26.2		ug/l	10	2	UJ	ug/l	10	3.5		ug/l	10	7.8		ug/l	10
Cobalt	2	U	ug/l	50	2	U	ug/l	50	2.7	U	ug/l	50	3.2	U	ug/l	50
Copper	3	U	ug/l	25	3	U	ug/l	25	4.4		ug/l	25	8.7		ug/l	25
Iron	3270		ug/l	100	1220	J	ug/l	100	1520		ug/l	100	1760		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	1260		ug/l	5000	761		ug/l	5000	1120		ug/l	5000	1120		ug/l	5000
Manganese	16.6	U	ug/l	15	21.3		ug/l	15	11.6	U	ug/l	15	10.6	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	5	J	ug/l	40	3	U	ug/l	40	3		ug/l	40	3	U	ug/l	40
Potassium	2370		ug/l	5000	933		ug/l	5000	1270		ug/l	5000	1270		ug/l	5000
Selenium	4.2		ug/l	5	4	U	ug/l	5	4.2		ug/l	5	7.9		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	6460		ug/l	5000	3110		ug/l	5000	8320		ug/l	5000	8000		ug/l	5000
Thallium	5.9	U	ug/l	10	4	U	ug/l	10	5.7	U	ug/l	10	7.7	U	ug/l	10
Vanadium	23.8		ug/l	50	2	U	ug/l	50	5.2		ug/l	50	10.1		ug/l	50
Zinc	46.3	U	ug/l	20	7.7	U	ug/l	20	41.2	U	ug/l	20	12.4	U	ug/l	20
Cyanide	2	U	ug/l	10	2	J	ug/l	10	2	U	ug/l	10	2	U	ug/l	10

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A48A8				A4192				A42CJ				A42CM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW11D				CF8MW12S				CF8MW13S				CF8MW13SD			
Collect Date:	26-APR-95				13-APR-95				17-APR-95				17-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	191	U	ug/l	200	570	U	ug/l	200	325	U	ug/l	200	433	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	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium	16.8		ug/l	200	38.1		ug/l	200	25.5		ug/l	200	24.4		ug/l	200
Beryllium	1.1	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	40600		ug/l	5000	2450		ug/l	5000	13800		ug/l	5000	18600		ug/l	5000
Chromium	2	U	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	3	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25
Iron	790		ug/l	100	1510	J	ug/l	100	1430	J	ug/l	100	1650	J	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	6930		ug/l	5000	1290		ug/l	5000	1180		ug/l	5000	1360		ug/l	5000
Manganese	38.7		ug/l	15	14.7		ug/l	15	18.1		ug/l	15	23.2		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40
Potassium	1100		ug/l	5000	498		ug/l	5000	3200		ug/l	5000	3530		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	5020		ug/l	5000	4570		ug/l	5000	5160		ug/l	5000	5610		ug/l	5000
Thallium	4.4	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10
Vanadium	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	2.4		ug/l	50
Zinc	21.5	U	ug/l	20	11.6	U	ug/l	20	6.3	U	ug/l	20	2.4	U	ug/l	20
Cyanide	2	U	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A48AK				A42RA				A41X4				A418T			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	714	J	ug/l	200	354	U	ug/l	200	366	U	ug/l	200	191	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	3.6		ug/l	10	3	U	ug/l	10	3	U	ug/l	10
Barium	9	U	ug/l	200	22.2		ug/l	200	42.4		ug/l	200	11.9	U	ug/l	200
Beryllium	1.3	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	735	U	ug/l	5000	52500		ug/l	5000	2870		ug/l	5000	396		ug/l	5000
Chromium	2	U	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	3	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25	7.9	U	ug/l	25
Iron	426		ug/l	100	717	J	ug/l	100	990	J	ug/l	100	460	J	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	371		ug/l	5000	4990		ug/l	5000	1630		ug/l	5000	682		ug/l	5000
Manganese	4.6	U	ug/l	15	48.7		ug/l	15	32.2		ug/l	15	5.2		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40
Potassium	546		ug/l	5000	1790		ug/l	5000	605		ug/l	5000	166		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	3490		ug/l	5000	8620		ug/l	5000	4110		ug/l	5000	2330		ug/l	5000
Thallium	7.8	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10
Vanadium	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Zinc	16.7	U	ug/l	20	5.1	U	ug/l	20	2.5	U	ug/l	20	96.2		ug/l	20
Cyanide	2	U	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A42CA				A42R9				A42CD				A3XED			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	202	U	ug/l	200	370	U	ug/l	200	139	U	ug/l	200	362		ug/l	200
Antimony	3	U	ug/l	60	3	U	ug/l	60	3	U	ug/l	60	2	UJ	ug/l	60
Arsenic	3	U	ug/l	10	3	U	ug/l	10	3	U	ug/l	10	5	U	ug/l	10
Barium	22.9		ug/l	200	8.2	U	ug/l	200	14.5	U	ug/l	200	19.4		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	1670		ug/l	5000	478		ug/l	5000	34700		ug/l	5000	1890		ug/l	5000
Chromium	2	UJ	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10	7.1		ug/l	10
Cobalt	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	2.3	U	ug/l	50
Copper	3	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25	2	U	ug/l	25
Iron	1670	J	ug/l	100	395	J	ug/l	100	222	J	ug/l	100	228		ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	5
Magnesium	1210		ug/l	5000	442		ug/l	5000	12800		ug/l	5000	985		ug/l	5000
Manganese	39.3		ug/l	15	2.1		ug/l	15	33.5		ug/l	15	34.6		ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40	4.8	U	ug/l	40
Potassium	1560		ug/l	5000	414		ug/l	5000	7980		ug/l	5000	49.2	UJ	ug/l	5000
Selenium	4	U	ug/l	5	4	U	ug/l	5	4	U	ug/l	5	4	UJ	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	8110		ug/l	5000	2530		ug/l	5000	6460		ug/l	5000	2680		ug/l	5000
Thallium	4	U	ug/l	10	4	U	ug/l	10	4	U	ug/l	10	8	U	ug/l	10
Vanadium	2.2	J	ug/l	50	2	U	ug/l	50	2	U	ug/l	50	1	U	ug/l	50
Zinc	2	U	ug/l	20	20.2	U	ug/l	20	5.2	U	ug/l	20	14.7	U	ug/l	20
Cyanide	2	UJ	ug/l	10	2.1	J	ug/l	10	2	UJ	ug/l	10	4.8	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8092

Lab Sample Number:	A3XEG
Site	CECIL3
Locator	CF8MW22D
Collect Date:	11-APR-95

	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	168	U	ug/l	200
Antimony	2	UJ	ug/l	60
Arsenic	5	U	ug/l	10
Barium	26.4		ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	1	U	ug/l	5
Calcium	31500		ug/l	5000
Chromium	3.7	J	ug/l	10
Cobalt	2	U	ug/l	50
Copper	2	U	ug/l	25
Iron	1210		ug/l	100
Lead	2	UJ	ug/l	5
Magnesium	9400		ug/l	5000
Manganese	45.9		ug/l	15
Mercury	.2	U	ug/l	.2
Nickel	2.8	U	ug/l	40
Potassium	772		ug/l	5000
Selenium	4	UJ	ug/l	5
Silver	1	U	ug/l	10
Sodium	4580		ug/l	5000
Thallium	8.7	U	ug/l	10
Vanadium	1	U	ug/l	50
Zinc	6.1	U	ug/l	20
Cyanide	5.6	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (FILTERED) -- REQ. NO. 8093

Lab Sample Number:	A405QF				A405MF				A472WF				A48AJF			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1SF				CF8MW5SF				CF8MW8IF				CF8MW10SDF			
Collect Date:	12-APR-95				12-APR-95				25-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	328		ug/l	200	149	U	ug/l	200	8930		ug/l	200	1350		ug/l	200
Antimony	5.9	UJ	ug/l	60	50.7		ug/l	60	3	U	ug/l	60	3	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	25.3	U	ug/l	200	8.8	U	ug/l	200	21.7		ug/l	200	40		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1.2	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	14700	J	ug/l	5000	18500	J	ug/l	5000	2340		ug/l	5000	6570		ug/l	5000
Chromium	1	U	ug/l	10	1	U	ug/l	10	14.4		ug/l	10	2	U	ug/l	10
Cobalt	2.7	U	ug/l	50	3.1	U	ug/l	50	3.2	U	ug/l	50	2.2	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	3	U	ug/l	25	3	U	ug/l	25
Iron	1840		ug/l	100	267		ug/l	100	1880		ug/l	100	1440		ug/l	100
Lead	2	UJ	ug/l	5	2	UJ	ug/l	5	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	931		ug/l	5000	255		ug/l	5000	896		ug/l	5000	1080		ug/l	5000
Manganese	39.7		ug/l	15	11.5		ug/l	15	12.6	U	ug/l	15	15	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	2	U	ug/l	40	2	U	ug/l	40	7.4		ug/l	40	3	U	ug/l	40
Potassium	196		ug/l	5000	63.1	UJ	ug/l	5000	1930		ug/l	5000	1330		ug/l	5000
Selenium	4	UJ	ug/l	5	4	UJ	ug/l	5	4.3	J	ug/l	5	5	J	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	5320		ug/l	5000	2120		ug/l	5000	6190		ug/l	5000	8870		ug/l	5000
Thallium	7	U	ug/l	10	6	U	ug/l	10	5.4	U	ug/l	10	6.4	U	ug/l	10
Vanadium	5.9		ug/l	50	1.9		ug/l	50	16		ug/l	50	5.2		ug/l	50
Zinc	42.2	U	ug/l	20	28.5	U	ug/l	20	-				37.4	U	ug/l	20
Cyanide	-				-				10		ug/l	10	-			

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- METALS (FILTERED) -- REQ. NO. 8093

Lab Sample Number:	A48ADF				A48AKF			
Site	CECIL3				CECIL3			
Locator	CF8MW10SF				CF8MW14IF			
Collect Date:	26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	1660		ug/l	200	242	U	ug/l	200
Antimony	6.2	U	ug/l	60	6.3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	41.8		ug/l	200	9.4	U	ug/l	200
Beryllium	1.3	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1.4	U	ug/l	5
Calcium	4400		ug/l	5000	1080	U	ug/l	5000
Chromium	2.3		ug/l	10	2	U	ug/l	10
Cobalt	3.1	U	ug/l	50	3.1	U	ug/l	50
Copper	3	U	ug/l	25	3	U	ug/l	25
Iron	1370		ug/l	100	306		ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	1100		ug/l	5000	403		ug/l	5000
Manganese	9.4	U	ug/l	15	4.5	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	4		ug/l	40	3	U	ug/l	40
Potassium	1270		ug/l	5000	532		ug/l	5000
Selenium	4.8	J	ug/l	5	4	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10
Sodium	7000		ug/l	5000	4850		ug/l	5000
Thallium	5.7	U	ug/l	10	7.1	U	ug/l	10
Vanadium	5.9		ug/l	50	2	U	ug/l	50
Zinc	15.6	U	ug/l	20	16.7	U	ug/l	20
Cyanide	-				-			

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D1300110				A5D1400270				A5D1400270				A5D2800690			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	-				-				-				-			
Total petroleum hydrocarbons	.6	J	mg/l	.5	.5	U	mg/l	.5	1	U	mg/l	1	.5	UJ	mg/l	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D2800690				A5D1300110				A5D1300110				A5D1700050			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW4SD				CF8MW5S				CF8MW6S				CF8MW7S			
Collect Date:	27-APR-95				12-APR-95				12-APR-95				14-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	-				-				-				-			
Total petroleum hydrocarbons	.5	UJ	mg/l	.5	.5	UJ	mg/l	.5	.5	UJ	mg/l	.5	.5	U	mg/l	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D2600340				A5D1700050				A5D2700770				A5D2700770			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	-				-				58		mg/l	2	57		mg/l	2
Total petroleum hydrocarbons	.5	UJ	mg/l	.5	.5	U	mg/l	.5	2.1	J	mg/l	.5	2.4	J	mg/l	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D2700770				A5D1400270				A5D1800060				A5D1800060			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW11D				CF8MW12S				CF8MW13S				CF8MW13SD			
Collect Date:	26-APR-95				13-APR-95				17-APR-95				17-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	1	U	mg/l	1	-				48.7		mg/l	1	49.5		mg/l	1
Total petroleum hydrocarbons	1.5	J	mg/l	.5	.5	U	mg/l	.5	1.3	U	mg/l	.5	2.4	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 OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D2700770				A5D1900060				A5D1700050				A5D1400270			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	2		mg/l	1	2.4		mg/l	1	-				-			
Total petroleum hydrocarbons	.5	UJ	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D1800060				A5D1900060				A5D1800060				A5D1200260			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total organic carbon	-				-				-				-			
Total petroleum hydrocarbons	1	U	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5	.5	UJ	mg/l	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7392
GROUNDWATER -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A5D1200260			
Site	CECIL3			
Locator	CF8MW22D			
Collect Date:	11-APR-95			
	VALUE	QUAL	UNITS	DL
Total organic carbon	-			
Total petroleum hydrocarbons	.9	J	mg/l	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 8094
GROUNDWATER -- WET CHEMISTRY

Lab Sample Number:	A5D2700770
Site	CECIL3
Locator	CF8MW10S
Collect Date:	26-APR-95

	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES				
Alkalinity, Bicarbonate	12		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10
Alkalinity, Total	12		mg/l	10
Hardness	20		mg/l	5
Chloride	38		mg/l	2
Total Kjeldahl Nitrogen	-			
Sulfate	10	U	mg/l	10
Sulfide	1	U	mg/l	1
Total Phosphorous	-			
Hexavalent chromium	-			
Total Dissolved Solids	70		mg/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A405Q				A418V				A418W				A4951			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-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	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	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	R	ug/l	.05	.003	J	ug/l	.05	.01	UJ	ug/l	.01
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.01	UJ	ug/l	.01
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	.5	UJ	ug/l	.5
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A4954				A405M				A405H				A41X2			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW4SD				CF8MW5S				CF8MW6S				CF8MW7S			
Collect Date:	27-APR-95				12-APR-95				12-APR-95				14-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	.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	.01	UJ	ug/l	.01	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.01	UJ	ug/l	.01	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.01	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	.49	UJ	ug/l	.49	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A472W				A41X3				A48AD				A48AJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-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	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.05	U	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.5	U	ug/l	.5
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.022	R	ug/l	1000
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.037	J	ug/l	1000
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.092	J	ug/l	1000
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	1000	.055	J	ug/l	1000
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.13	J	ug/l	1000
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	2.5	UJ	ug/l	2.5	.66	J	ug/l	5000
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.028	R	ug/l	1000	.07	R	ug/l	1000
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.5	UJ	ug/l	.5	.5	U	ug/l	.5
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.25	UJ	ug/l	.25	.25	U	ug/l	.25
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.02	R	ug/l	500	.039	R	ug/l	500
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	25	UJ	ug/l	25	25	U	ug/l	25
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	1.2	R	ug/l	10000	1.2	R	ug/l	10000
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	10	UJ	ug/l	10	10	U	ug/l	10
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	5	UJ	ug/l	5	5	U	ug/l	5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A48A8				A4192				A42CJ				A42CM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW11D				CF8MW12S				CF8MW13S				CF8MW13SD			
Collect Date:	26-APR-95				13-APR-95				17-APR-95				17-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	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.006	R	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.005	R	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.005	R	ug/l	.1	.005	R	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.008	R	ug/l	.1	.001	R	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.008	R	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.003	UJ	ug/l	.05	.024	R	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A48AK				A42RA				A41X4				A418T			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-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	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.01	UJ	ug/l	.05
Heptachlor	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Aldrin	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Heptachlor epoxide	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	R	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.004	R	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	R	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	R	ug/l	.05	.02	UJ	ug/l	.02	.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	R	ug/l	5	5	UJ	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	R	ug/l	2	2	UJ	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A42CA				A42R9				A42CD				A3XED			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-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	.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	.018	R	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5
Endrin ketone	.006	R	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	.02	U	ug/l	.02	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05
gamma-Chlordane	.003	R	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	.2	R	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1	1	UJ	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- PESTICIDES AND PCBs -- REQ. NO. 8091

Lab Sample Number:	A3XEG
Site	CECIL3
Locator	CF8MW22D
Collect Date:	11-APR-95

	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A405Q				A418V				A418W				A4951			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-APR-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	3	U	ug/l	3
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Acetone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	15		ug/l	3
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	40		ug/l	3
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	3	U	ug/l	3
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	R	ug/l	2	3	U	ug/l	3
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	2	U	ug/l	2

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A4954			A405M			A405H			A41X2		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8MW4SD			CF8MW5S			CF8MW6S			CF8MW7S		
Collect Date:	27-APR-95			12-APR-95			12-APR-95			14-APR-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Bromomethane	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Vinyl chloride	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Chloroethane	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Methylene chloride	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Acetone	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Carbon disulfide	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethene	15	ug/l	3	1 U	ug/l	1	1 U	ug/l	1	14	ug/l	2
1,1-Dichloroethane	41	ug/l	3	1 U	ug/l	1	1 U	ug/l	1	29	ug/l	2
1,2-Dichloroethene (total)	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Chloroform	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloroethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
2-Butanone	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
1,1,1-Trichloroethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Carbon tetrachloride	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Bromodichloromethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloropropane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
cis-1,3-Dichloropropene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Trichloroethene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Dibromochloromethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,1,2-Trichloroethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Benzene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 J	ug/l	2
trans-1,3-Dichloropropene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Bromoform	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
4-Methyl-2-pentanone	3 U	ug/l	3	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
2-Hexanone	3 U	ug/l	3	2 R	ug/l	2	2 R	ug/l	2	2 R	ug/l	2
Tetrachloroethene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Toluene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,1,2,2-Tetrachloroethane	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Chlorobenzene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Ethylbenzene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Styrene	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Xylenes (total)	2 U	ug/l	2	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A472W				A41X3				A48AD				A48AJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-APR-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	33	U	ug/l	33	33	U	ug/l	33
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Acetone	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
1,1-Dichloroethene	1	U	ug/l	1	2		ug/l	2	94		ug/l	33	96		ug/l	33
1,1-Dichloroethane	1	U	ug/l	1	2		ug/l	2	370		ug/l	33	370		ug/l	33
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Chloroform	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	58		ug/l	33	56		ug/l	33
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Benzene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Bromoform	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
2-Hexanone	2	U	ug/l	2	2	R	ug/l	2	33	U	ug/l	33	33	U	ug/l	33
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Toluene	1	U	ug/l	1	1	U	ug/l	1	49		ug/l	33	47		ug/l	33
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Styrene	1	U	ug/l	1	1	U	ug/l	1	17	U	ug/l	17	17	U	ug/l	17
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	14	J	ug/l	33	12	J	ug/l	33

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A48A8				A4192				A42CJ				A42CM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW11D				CF8MW12S				CF8MW13S				CF8MW13SD			
Collect Date:	26-APR-95				13-APR-95				17-APR-95				17-APR-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	19	U	ug/l	19	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	8	J	ug/l	2	7	J	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		ug/l	2	1		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	4		ug/l	2	3		ug/l	2
2-Hexanone	2	U	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	3		ug/l	2	4		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	3		ug/l	2	3		ug/l	2
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	10		ug/l	2	10		ug/l	2

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A48AK				A42RA				A41X4				A418T			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-APR-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A42CA				A42R9				A42CD				A3XED			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-APR-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	10	U	ug/l	10	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2		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	U	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	7		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	2		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	4		ug/l	2	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)	23		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- VOLATILES -- REQ. NO. 7353

Lab Sample Number:	A3XEG
Site	CECIL3
Locator	CF8MW22D
Collect Date:	11-APR-95

	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	2	U	ug/l	2
Bromomethane	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2
Chloroethane	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1
Acetone	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1
Chloroform	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1
2-Butanone	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1
Benzene	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1
Bromoform	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1
Toluene	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1
Styrene	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A405Q				A418V				A418W				A4951			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-APR-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	UJ	ug/l	25	25	UJ	ug/l	25	25	UJ	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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A405Q				A418V				A418W				A4951			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1S				CF8MW2I				CF8MW3D				CF8MW4S			
Collect Date:	12-APR-95				13-APR-95				13-APR-95				27-APR-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	2	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A4954			A405M			A405H			A41X2		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8MW4SD			CF8MW5S			CF8MW6S			CF8MW7S		
Collect Date:	27-APR-95			12-APR-95			12-APR-95			14-APR-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	1 J	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	.7 J	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A4954				A405M				A405H				A41X2			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW4SD				CF8MW5S				CF8MW6S				CF8MW7S			
Collect Date:	27-APR-95				12-APR-95				12-APR-95				14-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	U	ug/l	25	25	UJ	ug/l	25	25	UJ	ug/l	25	25	UJ	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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	2	J	ug/l	10	.9	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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A472W				A41X3				A48AD				A48AJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-APR-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	47		ug/l	10	41		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	39		ug/l	10	34		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	26		ug/l	10	24		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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A472W				A41X3				A48AD				A48AJ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW8I				CF8MW9S				CF8MW10S				CF8MW10SD			
Collect Date:	25-APR-95				14-APR-95				26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	U	ug/l	25	25	UJ	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	.5	J	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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	4	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A48A8			A4192			A42CJ			A42CM		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8MW11D			CF8MW12S			CF8MW13S			CF8MW13SD		
Collect Date:	26-APR-95			13-APR-95			17-APR-95			17-APR-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	33	ug/l	10	32	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	21	ug/l	10	20	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A48A8				A4192				A42CJ				A42CM			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW11D				CF8MW12S				CF8MW13S				CF8MW13SD			
Collect Date:	26-APR-95				13-APR-95				17-APR-95				17-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	U	ug/l	25	25	UJ	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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	J	ug/l	10	8	J	ug/l	10	2	J	ug/l	10	2	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A48AK				A42RA				A41X4				A418T			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-APR-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	.5	J	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A48AK				A42RA				A41X4				A418T			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW14I				CF8MW15D				CF8MW16S				CF8MW17S			
Collect Date:	26-APR-95				18-APR-95				14-APR-95				13-APR-95			
	VALUE	QUAL	UNITS	DL	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	25	UJ	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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	7	J	ug/l	10	10	U	ug/l	10	3	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A42CA				A42R9				A42CD				A3XED			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-APR-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	.6	J	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Naphthalene	21		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	16		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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A42CA				A42R9				A42CD				A3XED			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW18S				CF8MW19I				CF8MW20D				CF8MW21S			
Collect Date:	17-APR-95				18-APR-95				17-APR-95				11-APR-95			
	VALUE	QUAL	UNITS	DL	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	25	UJ	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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	2	J	ug/l	10	2	J	ug/l	10	12		ug/l	10	.9	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:	A3XEG			
Site	CECIL3			
Locator	CF8MW22D			
Collect Date:	11-APR-95			
	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10
Isophorone	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10
Naphthalene	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- SEMIVOLITIES -- REQ. NO. 8090

Lab Sample Number:		A3XEG		
Site		CECIL3		
Locator		CF8MW22D		
Collect Date:		11-APR-95		
	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	UJ	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Carbazole	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	2	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10
Dibenzo (a,h) anthracene	10	U	ug/l	10
Benzo (g,h,i) perylene	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

Section 1.9

Site 8, Confirmatory Sediment Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- VOLATILES -- REQ. NO. 7386

Lab Sample Number:	A30HJ				A2XQ4				A2XQ5				A2XQ6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD1				CF8SD2				CF8SD3				CF8SD4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Bromomethane	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Vinyl chloride	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Chloroethane	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Acetone	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
2-Butanone	13	U	ug/kg	13	3	J	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
4-Methyl-2-pentanone	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
2-Hexanone	13	U	ug/kg	13	13	U	ug/kg	13	14	U	ug/kg	14	14	U	ug/kg	14
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	7	U	ug/kg	7

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- VOLATILES -- REQ. NO. 7386

Lab Sample Number:	A34FN				A30HF				A2XQC				A2XQ7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4				CF8SD5				CF8SD6				CF8SD7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Bromomethane	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Vinyl chloride	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Chloroethane	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Methylene chloride	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	25	U	ug/kg	25	47	U	ug/kg	47	55		ug/kg	13	13	U	ug/kg	13
Carbon disulfide	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	15	U	ug/kg	15	18		ug/kg	13	3	J	ug/kg	13	13	U	ug/kg	13
1,1,1-Trichloroethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
2-Hexanone	15	U	ug/kg	15	13	U	ug/kg	13	13	U	ug/kg	13	13	U	ug/kg	13
Tetrachloroethene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	8	U	ug/kg	8	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- VOLATILES -- REQ. NO. 7386

Lab Sample Number:		A2XQA		
Site		CECIL3		
Locator		CF8SD7D		
Collect Date:		21-FEB-95		
	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	14	U	ug/kg	14
Bromomethane	14	U	ug/kg	14
Vinyl chloride	14	U	ug/kg	14
Chloroethane	14	U	ug/kg	14
Methylene chloride	7	U	ug/kg	7
Acetone	19	U	ug/kg	19
Carbon disulfide	7	U	ug/kg	7
1,1-Dichloroethene	7	U	ug/kg	7
1,1-Dichloroethane	7	U	ug/kg	7
1,2-Dichloroethene (total)	7	U	ug/kg	7
Chloroform	7	U	ug/kg	7
1,2-Dichloroethane	7	U	ug/kg	7
2-Butanone	14	U	ug/kg	14
1,1,1-Trichloroethane	7	U	ug/kg	7
Carbon tetrachloride	7	U	ug/kg	7
Bromodichloromethane	7	U	ug/kg	7
1,2-Dichloropropane	7	U	ug/kg	7
cis-1,3-Dichloropropene	7	U	ug/kg	7
Trichloroethene	7	U	ug/kg	7
Dibromochloromethane	7	U	ug/kg	7
1,1,2-Trichloroethane	7	U	ug/kg	7
Benzene	7	U	ug/kg	7
trans-1,3-Dichloropropene	7	U	ug/kg	7
Bromoform	7	U	ug/kg	7
4-Methyl-2-pentanone	14	U	ug/kg	14
2-Hexanone	14	U	ug/kg	14
Tetrachloroethene	7	U	ug/kg	7
Toluene	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	7	U	ug/kg	7
Chlorobenzene	7	U	ug/kg	7
Ethylbenzene	7	U	ug/kg	7
Styrene	7	U	ug/kg	7
Xylenes (total)	7	U	ug/kg	7

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:	A30HJ				A2XQ4				A2XQ5				A2XQ6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD1				CF8SD2				CF8SD3				CF8SD4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
bis(2-Chloroethyl) ether	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2-Chlorophenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
1,3-Dichlorobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
1,4-Dichlorobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
1,2-Dichlorobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2-Methylphenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,2-oxybis(1-Chloropropane)	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Methylphenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
N-Nitroso-di-n-propylamine	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Hexachloroethane	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Nitrobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Isophorone	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2-Nitrophenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4-Dimethylphenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
bis(2-Chloroethoxy) methane	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4-Dichlorophenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
1,2,4-Trichlorobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Naphthalene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Chloroaniline	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Hexachlorobutadiene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Chloro-3-methylphenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2-Methylnaphthalene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Hexachlorocyclopentadiene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4,6-Trichlorophenol	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4,5-Trichlorophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
2-Chloronaphthalene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
Dimethylphthalate	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Acenaphthylene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,6-Dinitrotoluene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
3-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
Acenaphthene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4-Dinitrophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
4-Nitrophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
Dibenzofuran	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
2,4-Dinitrotoluene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Diethylphthalate	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Chlorophenyl-phenylether	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Fluorene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Nitroaniline	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
4,6-Dinitro-2-methylphenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
N-Nitrosodiphenylamine (1)	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
4-Bromophenyl-phenylether	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Hexachlorobenzene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Pentachlorophenol	1000	U	ug/kg	1000	1000	U	ug/kg	1000	1100	U	ug/kg	1100	1200	U	ug/kg	1200
Phenanthrene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Anthracene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Carbazole	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Di-n-butylphthalate	420	U	ug/kg	420	66	J	ug/kg	420	450	U	ug/kg	450	49	J	ug/kg	480

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:	A30HJ				A2XQ4				A2XQ5				A2XQ6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD1				CF8SD2				CF8SD3				CF8SD4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	23	J	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Pyrene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Butylbenzylphthalate	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
3,3-Dichlorobenzidine	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Benzo (a) anthracene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Chrysene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
bis(2-Ethylhexyl) phthalate	29	J	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	55	J	ug/kg	480
Di-n-octylphthalate	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Benzo (b) fluoranthene	22	J	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Benzo (k) fluoranthene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Benzo (a) pyrene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Dibenzo (a,h) anthracene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480
Benzo (g,h,i) perylene	420	U	ug/kg	420	430	U	ug/kg	430	450	U	ug/kg	450	480	U	ug/kg	480

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:	A34FN			A30HF			A2XQC			A2XQ7		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SD4			CF8SD5			CF8SD6			CF8SD7		
Collect Date:	01-MAR-95			22-FEB-95			21-FEB-95			21-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
bis(2-Chloroethyl) ether	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2-Chlorophenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
1,3-Dichlorobenzene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
1,4-Dichlorobenzene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
1,2-Dichlorobenzene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2-Methylphenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,2-oxybis(1-Chloropropane)	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
4-Methylphenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
N-Nitroso-di-n-propylamine	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Hexachloroethane	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Nitrobenzene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Isophorone	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2-Nitrophenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4-Dimethylphenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
bis(2-Chloroethoxy) methane	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4-Dichlorophenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
1,2,4-Trichlorobenzene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Naphthalene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
4-Chloroaniline	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Hexachlorobutadiene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
4-Chloro-3-methylphenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2-Methylnaphthalene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Hexachlorocyclopentadiene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4,6-Trichlorophenol	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4,5-Trichlorophenol	1200 U	ug/kg	1200	1100 U	ug/kg	1100	1000 U	ug/kg	1000	1000 U	ug/kg	1000
2-Chloronaphthalene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2-Nitroaniline	1200 U	ug/kg	1200	1100 U	ug/kg	1100	1000 U	ug/kg	1000	1000 U	ug/kg	1000
Dimethylphthalate	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Acenaphthylene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,6-Dinitrotoluene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
3-Nitroaniline	1200 U	ug/kg	1200	1100 U	ug/kg	1100	1000 U	ug/kg	1000	1000 U	ug/kg	1000
Acenaphthene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4-Dinitrophenol	1200 UJ	ug/kg	1200	1100 U	ug/kg	1100	1000 U	ug/kg	1000	1000 U	ug/kg	1000
4-Nitrophenol	1200 U	ug/kg	1200	1100 U	ug/kg	1100	1000 U	ug/kg	1000	1000 U	ug/kg	1000
Dibenzofuran	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
2,4-Dinitrotoluene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Diethylphthalate	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
4-Chlorophenyl-phenylether	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430
Fluorene	500 U	ug/kg	500	440 U	ug/kg	440	420 U	ug/kg	420	430 U	ug/kg	430

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:	A34FN				A30HF				A2XQC				A2XQ7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4				CF8SD5				CF8SD6				CF8SD7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	1200	U	ug/kg	1200	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000
4,6-Dinitro-2-methylphenol	1200	U	ug/kg	1200	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000
N-Nitrosodiphenylamine (1)	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
4-Bromophenyl-phenylether	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Hexachlorobenzene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Pentachlorophenol	1200	U	ug/kg	1200	1100	U	ug/kg	1100	1000	U	ug/kg	1000	1000	U	ug/kg	1000
Phenanthrene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Anthracene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Carbazole	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Di-n-butylphthalate	31	J	ug/kg	500	440	U	ug/kg	440	29	J	ug/kg	420	430	U	ug/kg	430
Fluoranthene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Pyrene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Butylbenzylphthalate	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
3,3-Dichlorobenzidine	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Benzo (a) anthracene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Chrysene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
bis(2-Ethylhexyl) phthalate	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Di-n-octylphthalate	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Benzo (b) fluoranthene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Benzo (k) fluoranthene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Benzo (a) pyrene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Indeno (1,2,3-cd) pyrene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Dibenzo (a,h) anthracene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430
Benzo (g,h,i) perylene	500	U	ug/kg	500	440	U	ug/kg	440	420	U	ug/kg	420	430	U	ug/kg	430

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:	A2XQA
Site	CECIL3
Locator	CF8SD7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	460	U	ug/kg	460
bis(2-Chloroethyl) ether	460	U	ug/kg	460
2-Chlorophenol	460	U	ug/kg	460
1,3-Dichlorobenzene	460	U	ug/kg	460
1,4-Dichlorobenzene	460	U	ug/kg	460
1,2-Dichlorobenzene	460	U	ug/kg	460
2-Methylphenol	460	U	ug/kg	460
2,2-oxybis(1-Chloropropane)	460	U	ug/kg	460
4-Methylphenol	460	U	ug/kg	460
N-Nitroso-di-n-propylamine	460	U	ug/kg	460
Hexachloroethane	460	U	ug/kg	460
Nitrobenzene	460	U	ug/kg	460
Isophorone	460	U	ug/kg	460
2-Nitrophenol	460	U	ug/kg	460
2,4-Dimethylphenol	460	U	ug/kg	460
bis(2-Chloroethoxy) methane	460	U	ug/kg	460
2,4-Dichlorophenol	460	U	ug/kg	460
1,2,4-Trichlorobenzene	460	U	ug/kg	460
Naphthalene	460	U	ug/kg	460
4-Chloroaniline	460	U	ug/kg	460
Hexachlorobutadiene	460	U	ug/kg	460
4-Chloro-3-methylphenol	460	U	ug/kg	460
2-Methylnaphthalene	460	U	ug/kg	460
Hexachlorocyclopentadiene	460	U	ug/kg	460
2,4,6-Trichlorophenol	460	U	ug/kg	460
2,4,5-Trichlorophenol	1100	U	ug/kg	1100
2-Chloronaphthalene	460	U	ug/kg	460
2-Nitroaniline	1100	U	ug/kg	1100
Dimethylphthalate	460	U	ug/kg	460
Acenaphthylene	460	U	ug/kg	460
2,6-Dinitrotoluene	460	U	ug/kg	460
3-Nitroaniline	1100	U	ug/kg	1100
Acenaphthene	460	U	ug/kg	460
2,4-Dinitrophenol	1100	U	ug/kg	1100
4-Nitrophenol	1100	U	ug/kg	1100
Dibenzofuran	460	U	ug/kg	460
2,4-Dinitrotoluene	460	U	ug/kg	460
Diethylphthalate	460	U	ug/kg	460
4-Chlorophenyl-phenylether	460	U	ug/kg	460
Fluorene	460	U	ug/kg	460

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- SEMIVOLATILES -- REQ. NO. 8095

Lab Sample Number:		A2XQA		
Site		CECIL3		
Locator		CF8SD7D		
Collect Date:		21-FEB-95		
	VALUE	QUAL	UNITS	DL
4-Nitroaniline	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	460	U	ug/kg	460
4-Bromophenyl-phenylether	460	U	ug/kg	460
Hexachlorobenzene	460	U	ug/kg	460
Pentachlorophenol	1100	U	ug/kg	1100
Phenanthrene	460	U	ug/kg	460
Anthracene	460	U	ug/kg	460
Carbazole	460	U	ug/kg	460
Di-n-butylphthalate	35	J	ug/kg	450
Fluoranthene	460	U	ug/kg	460
Pyrene	460	U	ug/kg	460
Butylbenzylphthalate	460	U	ug/kg	460
3,3-Dichlorobenzidine	460	U	ug/kg	460
Benzo (a) anthracene	460	U	ug/kg	460
Chrysene	460	U	ug/kg	460
bis(2-Ethylhexyl) phthalate	460	U	ug/kg	460
Di-n-octylphthalate	460	U	ug/kg	460
Benzo (b) fluoranthene	460	U	ug/kg	460
Benzo (k) fluoranthene	460	U	ug/kg	460
Benzo (a) pyrene	460	U	ug/kg	460
Indeno (1,2,3-cd) pyrene	460	U	ug/kg	460
Dibenzo (a,h) anthracene	460	U	ug/kg	460
Benzo (g,h,i) perylene	460	U	ug/kg	460

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- PESTICIDES AND PCBs -- REQ. NO. 8096

Lab Sample Number:	A30HJ				A2XQ4				A2XQ5				A2XQ6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD1				CF8SD2				CF8SD3				CF8SD4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
beta-BHC	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
delta-BHC	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
gamma-BHC (Lindane)	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Heptachlor	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Aldrin	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Heptachlor epoxide	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Endosulfan I	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Dieldrin	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
4,4-DDE	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
Endrin	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
Endosulfan II	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
4,4-DDD	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
Endosulfan sulfate	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
4,4-DDT	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
Methoxychlor	22	U	ug/kg	22	22	UJ	ug/kg	22	23	U	ug/kg	23	25	U	ug/kg	25
Endrin ketone	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
Endrin aldehyde	4.2	U	ug/kg	4.2	4.3	UJ	ug/kg	4.3	4.4	U	ug/kg	4.4	4.8	U	ug/kg	4.8
alpha-Chlordane	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
gamma-Chlordane	2.2	U	ug/kg	2.2	2.2	UJ	ug/kg	2.2	2.3	U	ug/kg	2.3	2.5	U	ug/kg	2.5
Toxaphene	220	U	ug/kg	220	220	UJ	ug/kg	220	230	U	ug/kg	230	250	U	ug/kg	250
Aroclor-1016	42	U	ug/kg	42	43	UJ	ug/kg	43	44	U	ug/kg	44	48	U	ug/kg	48
Aroclor-1221	85	U	ug/kg	85	87	UJ	ug/kg	87	90	U	ug/kg	90	97	U	ug/kg	97
Aroclor-1232	42	U	ug/kg	42	43	UJ	ug/kg	43	44	U	ug/kg	44	48	U	ug/kg	48
Aroclor-1242	42	U	ug/kg	42	43	UJ	ug/kg	43	44	U	ug/kg	44	48	U	ug/kg	48
Aroclor-1248	42	U	ug/kg	42	43	UJ	ug/kg	43	44	U	ug/kg	44	48	U	ug/kg	48
Aroclor-1254	42	U	ug/kg	42	43	UJ	ug/kg	43	44	U	ug/kg	44	48	U	ug/kg	48
Aroclor-1260	110		ug/kg	42	43	UJ	ug/kg	43	38	J	ug/kg	44	26	J	ug/kg	48

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- PESTICIDES AND PCBs -- REQ. NO. 8096

Lab Sample Number:	A34FN				A30HF				A2XQC				A2XQ7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4				CF8SD5				CF8SD6				CF8SD7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
beta-BHC	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
delta-BHC	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
gamma-BHC (Lindane)	2.6	R	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Heptachlor	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Aldrin	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Heptachlor epoxide	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Endosulfan I	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Dieldrin	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
4,4-DDE	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
Endrin	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
Endosulfan II	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
4,4-DDD	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
Endosulfan sulfate	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
4,4-DDT	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
Methoxychlor	2.6	U	ug/kg	2.6	23	U	ug/kg	23	22	UJ	ug/kg	22	22	U	ug/kg	22
Endrin ketone	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
Endrin aldehyde	5	U	ug/kg	5	4.4	U	ug/kg	4.4	4.2	UJ	ug/kg	4.2	4.3	U	ug/kg	4.3
alpha-Chlordane	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
gamma-Chlordane	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.2	UJ	ug/kg	2.2	2.2	U	ug/kg	2.2
Toxaphene	260	U	ug/kg	260	230	U	ug/kg	230	220	UJ	ug/kg	220	220	U	ug/kg	220
Aroclor-1016	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43
Aroclor-1221	100	U	ug/kg	100	89	U	ug/kg	89	86	UJ	ug/kg	86	88	U	ug/kg	88
Aroclor-1232	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43
Aroclor-1242	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43
Aroclor-1248	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43
Aroclor-1254	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43
Aroclor-1260	50	U	ug/kg	50	44	U	ug/kg	44	42	UJ	ug/kg	42	43	U	ug/kg	43

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- PESTICIDES AND PCBs -- REQ. NO. 8096

Lab Sample Number:	A2XQA
Site	CECIL3
Locator	CF8SD7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	2.4	U	ug/kg	2.4
beta-BHC	2.4	U	ug/kg	2.4
delta-BHC	2.4	U	ug/kg	2.4
gamma-BHC (Lindane)	2.4	U	ug/kg	2.4
Heptachlor	2.4	U	ug/kg	2.4
Aldrin	2.4	U	ug/kg	2.4
Heptachlor epoxide	2.4	U	ug/kg	2.4
Endosulfan I	2.4	U	ug/kg	2.4
Dieldrin	4.6	U	ug/kg	4.6
4,4-DDE	4.6	U	ug/kg	4.6
Endrin	4.6	U	ug/kg	4.6
Endosulfan II	4.6	U	ug/kg	4.6
4,4-DDD	4.6	U	ug/kg	4.6
Endosulfan sulfate	4.6	U	ug/kg	4.6
4,4-DDT	4.6	U	ug/kg	4.6
Methoxychlor	24	U	ug/kg	24
Endrin ketone	4.6	U	ug/kg	4.6
Endrin aldehyde	4.6	U	ug/kg	4.6
alpha-Chlordane	2.4	U	ug/kg	2.4
gamma-Chlordane	2.4	U	ug/kg	2.4
Toxaphene	240	U	ug/kg	240
Aroclor-1016	46	U	ug/kg	46
Aroclor-1221	93	U	ug/kg	93
Aroclor-1232	46	U	ug/kg	46
Aroclor-1242	46	U	ug/kg	46
Aroclor-1248	46	U	ug/kg	46
Aroclor-1254	46	U	ug/kg	46
Aroclor-1260	46	U	ug/kg	46

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- METALS AND CYANIDE -- REQ. NO. 8097

Lab Sample Number:	A30HJ				A2XQ4				A2XQ5				A2XQ6			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD1				CF8SD2				CF8SD3				CF8SD4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	1310		mg/kg	40	7520		mg/kg	40	13200		mg/kg	40	2120		mg/kg	40
Antimony	.51	U	mg/kg	12	.51	U	mg/kg	12	.6	U	mg/kg	12	.59	U	mg/kg	12
Arsenic	1.3	U	mg/kg	20	1.3	U	mg/kg	20	1.3	U	mg/kg	20	1.5	U	mg/kg	20
Barium	2	U	mg/kg	40	4.1		mg/kg	40	5.6		mg/kg	40	1.5	U	mg/kg	40
Beryllium	.25	U	mg/kg	1	.26	U	mg/kg	1	.27	U	mg/kg	1	.29	U	mg/kg	1
Cadmium	.25	U	mg/kg	1	.26	U	mg/kg	1	.27	U	mg/kg	1	.29	U	mg/kg	1
Calcium	126	U	mg/kg	1000	99.6	U	mg/kg	1000	53.4	U	mg/kg	1000	204	U	mg/kg	1000
Chromium	2.9		mg/kg	2	7.2		mg/kg	2	17		mg/kg	2	4.1		mg/kg	2
Cobalt	.25	UJ	mg/kg	10	.26	UJ	mg/kg	10	.27	UJ	mg/kg	10	.29	UJ	mg/kg	10
Copper	.55	J	mg/kg	5	.51	UJ	mg/kg	5	.54	UJ	mg/kg	5	.59	UJ	mg/kg	5
Iron	193	J	mg/kg	20	397	J	mg/kg	20	368	J	mg/kg	20	106	J	mg/kg	20
Lead	5.6		mg/kg	.6	5		mg/kg	.6	8		mg/kg	.6	4	UJ	mg/kg	.6
Magnesium	.13	U	mg/kg	1000	72.1		mg/kg	1000	65.4		mg/kg	1000	17.7	U	mg/kg	1000
Manganese	5.6		mg/kg	3	2.8		mg/kg	3	2.3		mg/kg	3	1.4	U	mg/kg	3
Mercury	.13	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1	.14	U	mg/kg	.1
Nickel	.75		mg/kg	8	1.7		mg/kg	8	2.6		mg/kg	8	.76		mg/kg	8
Potassium	36.3		mg/kg	1000	32.5		mg/kg	1000	15.8	U	mg/kg	1000	17.3	U	mg/kg	1000
Selenium	1	U	mg/kg	1	1	U	mg/kg	1	1.1	U	mg/kg	1	1.2	U	mg/kg	1
Silver	.36		mg/kg	2	.26	U	mg/kg	2	.27	U	mg/kg	2	.29	U	mg/kg	2
Sodium	139	J	mg/kg	1000	156	J	mg/kg	1000	171	J	mg/kg	1000	166	J	mg/kg	1000
Thallium	1.5	UJ	mg/kg	2	1.5	UJ	mg/kg	2	1.6	UJ	mg/kg	2	1.8	UJ	mg/kg	2
Vanadium	3.1		mg/kg	10	2.7		mg/kg	10	9.3		mg/kg	10	3.8		mg/kg	10
Zinc	6.6	UJ	mg/kg	4	2	UJ	mg/kg	4	5.5	U	mg/kg	4	2.3	UJ	mg/kg	4
Cyanide	.55	U	mg/kg	.5	.59	U	mg/kg	.5	.68	U	mg/kg	.5	.63	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- METALS AND CYANIDE -- REQ. NO. 8097

Lab Sample Number:	A34FN				A30HF				A2XQC				A2XQ7			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4				CF8SD5				CF8SD6				CF8SD7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3030	J	mg/kg	40	12200		mg/kg	40	566		mg/kg	40	3210		mg/kg	40
Antimony	.61	U	mg/kg	12	.53	U	mg/kg	12	.51	U	mg/kg	12	.53	U	mg/kg	12
Arsenic	1.5	U	mg/kg	20	1.3	U	mg/kg	20	1.3	U	mg/kg	20	1.3	U	mg/kg	20
Barium	2.7		mg/kg	40	7.9		mg/kg	40	1.5	U	mg/kg	40	2.7		mg/kg	40
Beryllium	.3	U	mg/kg	1	.26	U	mg/kg	1	.26	U	mg/kg	1	.26	U	mg/kg	1
Cadmium	.3	U	mg/kg	1	.26	U	mg/kg	1	.26	U	mg/kg	1	.26	U	mg/kg	1
Calcium	90.3	U	mg/kg	1000	90.2	U	mg/kg	1000	105	U	mg/kg	1000	172	U	mg/kg	1000
Chromium	6		mg/kg	2	12.9		mg/kg	2	2.8		mg/kg	2	4.3		mg/kg	2
Cobalt	.31	UJ	mg/kg	10	.33	J	mg/kg	10	.26	UJ	mg/kg	10	.26	UJ	mg/kg	10
Copper	1.2		mg/kg	5	1.6	J	mg/kg	5	3.1	J	mg/kg	5	.53	UJ	mg/kg	5
Iron	176	J	mg/kg	20	1090	J	mg/kg	20	222	J	mg/kg	20	491	J	mg/kg	20
Lead	5.7	U	mg/kg	.6	8.6		mg/kg	.6	2.8	UJ	mg/kg	.6	3.2	UJ	mg/kg	.6
Magnesium	25.8	U	mg/kg	1000	104		mg/kg	1000	22	U	mg/kg	1000	49.2		mg/kg	1000
Manganese	2.2		mg/kg	3	2.9		mg/kg	3	1.2	U	mg/kg	3	1.4	U	mg/kg	3
Mercury	.15	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	.74		mg/kg	8	3.5		mg/kg	8	.66		mg/kg	8	.86		mg/kg	8
Potassium	33.9	UJ	mg/kg	1000	15.5	U	mg/kg	1000	65.4		mg/kg	1000	15.6	U	mg/kg	1000
Selenium	1.2	UJ	mg/kg	1	1.1	U	mg/kg	1	1	U	mg/kg	1	1.1	U	mg/kg	1
Silver	.3	U	mg/kg	2	.26	U	mg/kg	2	.26	U	mg/kg	2	.26	U	mg/kg	2
Sodium	576	UJ	mg/kg	1000	181	J	mg/kg	1000	132	J	mg/kg	1000	147	J	mg/kg	1000
Thallium	1.8	UJ	mg/kg	2	1.6	UJ	mg/kg	2	1.5	UJ	mg/kg	2	1.6	UJ	mg/kg	2
Vanadium	7.8		mg/kg	10	6.9		mg/kg	10	.83		mg/kg	10	4.4		mg/kg	10
Zinc	1.5	UJ	mg/kg	4	5.3	UJ	mg/kg	4	32.1	J	mg/kg	4	1.6	UJ	mg/kg	4
Cyanide	.76	U	mg/kg	.5	.64	U	mg/kg	.5	.58	U	mg/kg	.5	.61	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SEDIMENT -- METALS AND CYANIDE -- REQ. NO. 8097

Lab Sample Number:	A2XQA
Site	CECIL3
Locator	CF8SD7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	3940		mg/kg	40
Antimony	.55	U	mg/kg	12
Arsenic	1.4	U	mg/kg	20
Barium	3		mg/kg	40
Beryllium	.28	U	mg/kg	1
Cadmium	.28	U	mg/kg	1
Calcium	167	U	mg/kg	1000
Chromium	5		mg/kg	2
Cobalt	.28	UJ	mg/kg	10
Copper	.55	UJ	mg/kg	5
Iron	560	J	mg/kg	20
Lead	3.8	UJ	mg/kg	.6
Magnesium	56		mg/kg	1000
Manganese	1.7		mg/kg	3
Mercury	.15	U	mg/kg	.1
Nickel	.93		mg/kg	8
Potassium	16.3	U	mg/kg	1000
Selenium	1.1	U	mg/kg	1
Silver	.28	U	mg/kg	2
Sodium	163	J	mg/kg	1000
Thallium	1.7	UJ	mg/kg	2
Vanadium	4.9		mg/kg	10
Zinc	2.2	UJ	mg/kg	4
Cyanide	.47	U	mg/kg	.5

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7389
SEDIMENT -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A30KD			A2XRV			A2XRW			A2XRX		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SD1			CF8SD2			CF8SD3			CF8SD4		
Collect Date:	22-FEB-95			21-FEB-95			21-FEB-95			21-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	96	mg/kg	13	17	mg/kg	13	85	mg/kg	14	660	mg/kg	72
Total organic carbon	2800	mg/kg	130	450	mg/kg	130	7300	mg/kg	140	8000	mg/kg	140

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7389
SEDIMENT -- TOTAL PETROLEUM HYDROCARBONS AND TOTAL ORGANIC CARBON

Lab Sample Number:	A34FN			A30KA			A2XT2			A2XT0		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SD4			CF8SD5			CF8SD6			CF8SD7		
Collect Date:	01-MAR-95			22-FEB-95			21-FEB-95			21-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	32	mg/kg	15	37	mg/kg	13	84	mg/kg	13	22	mg/kg	13
Total organic carbon	17000	mg/kg	760	13000	mg/kg	130	5100	mg/kg	130	6000	mg/kg	130

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Section 1.10

Site 8, Confirmatory Surface Water Sample Results

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- VOLATILES -- REQ. NO. 7387

Lab Sample Number:	A30G8				A2XNL				A2XNM				A2XNP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1		ug/l	2	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	R	ug/l	2	2	U	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	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

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- VOLATILES -- REQ. NO. 7387

Lab Sample Number:	A34FF				A30G5				A2XNT				A2XNQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	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	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- VOLATILES -- REQ. NO. 7387

Lab Sample Number:		A2XNR		
Site		CECIL3		
Locator		CF8SW7D		
Collect Date:		21-FEB-95		
	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	2	U	ug/l	2
Bromomethane	2	U	ug/l	2
Vinyl chloride	2	U	ug/l	2
Chloroethane	2	U	ug/l	2
Methylene chloride	1	U	ug/l	1
Acetone	2	U	ug/l	2
Carbon disulfide	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1
Chloroform	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1
2-Butanone	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1
Benzene	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1
Bromoform	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1
Toluene	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1
Styrene	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A30G8			A2XNL			A2XNM			A2XNP		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SW1			CF8SW2			CF8SW3			CF8SW4		
Collect Date:	22-FEB-95			21-FEB-95			21-FEB-95			21-FEB-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 OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A30G8				A2XNL				A2XNM				A2XNP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-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	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A34FF			A30G5			A2XNT			A2XNQ		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SW4			CF8SW5			CF8SW6			CF8SW7		
Collect Date:	01-MAR-95			22-FEB-95			21-FEB-95			21-FEB-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 UJ	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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A34FF				A30G5				A2XNT				A2XNQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	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	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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 OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A2XNR
Site	CECIL3
Locator	CF8SW7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	10	U	ug/l	10
bis(2-Chloroethyl) ether	10	U	ug/l	10
2-Chlorophenol	10	U	ug/l	10
1,3-Dichlorobenzene	10	U	ug/l	10
1,4-Dichlorobenzene	10	U	ug/l	10
1,2-Dichlorobenzene	10	U	ug/l	10
2-Methylphenol	10	U	ug/l	10
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10
4-Methylphenol	10	U	ug/l	10
N-Nitroso-di-n-propylamine	10	U	ug/l	10
Hexachloroethane	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10
Isophorone	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10
bis(2-Chloroethoxy) methane	10	U	ug/l	10
2,4-Dichlorophenol	10	U	ug/l	10
1,2,4-Trichlorobenzene	10	U	ug/l	10
Naphthalene	10	U	ug/l	10
4-Chloroaniline	10	U	ug/l	10
Hexachlorobutadiene	10	U	ug/l	10
4-Chloro-3-methylphenol	10	U	ug/l	10
2-Methylnaphthalene	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25
Acenaphthene	10	U	ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25
Dibenzofuran	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- SEMIVOLATILES -- REQ. NO. 8098

Lab Sample Number:	A2XNR			
Site	CECIL3			
Locator	CF8SW7D			
Collect Date:	21-FEB-95			
	VALUE	QUAL	UNITS	DL
4-Nitroaniline	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Carbazole	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3-Dichlorobenzidine	10	U	ug/l	10
Benzo (a) anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10
Dibenzo (a,h) anthracene	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- PESTICIDES AND PCBs -- REQ. NO. 8099

Lab Sample Number:	A30G8				A2XNL				A2XNM				A2XNP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-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	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- PESTICIDES AND PCBs -- REQ. NO. 8099

Lab Sample Number:	A34FF				A30G5				A2XNT				A2XNQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-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	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	R	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- PESTICIDES AND PCBs -- REQ. NO. 8099

Lab Sample Number:	A2XNR
Site	CECIL3
Locator	CF8SW7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05
Heptachlor	.1	U	ug/l	.1
Aldrin	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8100

Lab Sample Number:	A30G8				A2XNL				A2XNM				A2XNP			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	166	U	ug/l	200	160	U	ug/l	200	155	U	ug/l	200	158	U	ug/l	200
Antimony	5.5	U	ug/l	60	2.2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	18.1		ug/l	200	6.6		ug/l	200	5.3		ug/l	200	10.3		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	11800		ug/l	5000	11900		ug/l	5000	5610		ug/l	5000	2940		ug/l	5000
Chromium	1	UJ	ug/l	10	1	UJ	ug/l	10	6	J	ug/l	10	1	UJ	ug/l	10
Cobalt	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Copper	2	U	ug/l	25	4.2		ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	197		ug/l	100	119		ug/l	100	281		ug/l	100	147		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	1410		ug/l	5000	767		ug/l	5000	842		ug/l	5000	916		ug/l	5000
Manganese	3.4	U	ug/l	15	3.1	U	ug/l	15	3	U	ug/l	15	4.6	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	574	J	ug/l	5000	171	U	ug/l	5000	164	U	ug/l	5000	127	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	2550		ug/l	5000	2300		ug/l	5000	2190	U	ug/l	5000	2300		ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10
Vanadium	1.5		ug/l	50	1.2	J	ug/l	50	1.4		ug/l	50	2.1	J	ug/l	50
Zinc	9.8	UJ	ug/l	20	10.3	UJ	ug/l	20	6.4	U	ug/l	20	1	UJ	ug/l	20
Cyanide	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8100

Lab Sample Number:	A34FF				A30G5				A2XNT				A2XNQ			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	271	U	ug/l	200	296	J	ug/l	200	359	U	ug/l	200	228	U	ug/l	200
Antimony	5.2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	13.4		ug/l	200	6.7		ug/l	200	4.2		ug/l	200	14.2		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	2250	J	ug/l	5000	5830		ug/l	5000	11600		ug/l	5000	8460		ug/l	5000
Chromium	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10
Cobalt	1	UJ	ug/l	50	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	2	U	ug/l	25	2	U	ug/l	25
Iron	233		ug/l	100	542		ug/l	100	415		ug/l	100	252		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	908		ug/l	5000	854		ug/l	5000	726		ug/l	5000	955		ug/l	5000
Manganese	7		ug/l	15	8.5		ug/l	15	4.5	U	ug/l	15	4.9	U	ug/l	15
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	155	U	ug/l	5000	345	J	ug/l	5000	430	J	ug/l	5000	351	J	ug/l	5000
Selenium	4	UJ	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	2280	UJ	ug/l	5000	3520		ug/l	5000	5140		ug/l	5000	2980		ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10
Vanadium	2.8	U	ug/l	50	1	U	ug/l	50	1.5		ug/l	50	1	U	ug/l	50
Zinc	3.3	UJ	ug/l	20	4.1	UJ	ug/l	20	14.4	UJ	ug/l	20	1.3	U	ug/l	20
Cyanide	10	U	ug/l	10	10	UJ	ug/l	10	13.8	J	ug/l	10	10	UJ	ug/l	10

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (UNFILTERED) AND CYANIDE -- REQ. NO. 8100

Lab Sample Number:	A2XNR
Site	CECIL3
Locator	CF8SW7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	195	U	ug/l	200
Antimony	2	U	ug/l	60
Arsenic	5	U	ug/l	10
Barium	13.6		ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	1	U	ug/l	5
Calcium	8340		ug/l	5000
Chromium	1	UJ	ug/l	10
Cobalt	1	U	ug/l	50
Copper	2	U	ug/l	25
Iron	245		ug/l	100
Lead	2	U	ug/l	3
Magnesium	921		ug/l	5000
Manganese	4.6	U	ug/l	15
Mercury	.2	U	ug/l	.2
Nickel	2	U	ug/l	40
Potassium	331	J	ug/l	5000
Selenium	4	U	ug/l	5
Silver	1	U	ug/l	10
Sodium	2850		ug/l	5000
Thallium	6	UJ	ug/l	10
Vanadium	1.1		ug/l	50
Zinc	2	UJ	ug/l	20
Cyanide	57.3	J	ug/l	10

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (FILTERED) -- REQ. NO. 8101

Lab Sample Number:	A30G8F				A2XNLF				A2XNMF				A2XNPF			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1F				CF8SW2F				CF8SW3F				CF8SW4F			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	124	U	ug/l	200	116	U	ug/l	200	129	U	ug/l	200	111	U	ug/l	200
Antimony	7.6	U	ug/l	60	7.1	U	ug/l	60	6.3	U	ug/l	60	7.1	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	16.6		ug/l	200	6.3		ug/l	200	4.9		ug/l	200	10.1		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	11300		ug/l	5000	12800		ug/l	5000	5320		ug/l	5000	3010		ug/l	5000
Chromium	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10
Cobalt	1	U	ug/l	50	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	2	U	ug/l	25	2	U	ug/l	25
Iron	108	J	ug/l	100	71.6	J	ug/l	100	77.8	J	ug/l	100	83.1	J	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	1350		ug/l	5000	795		ug/l	5000	831		ug/l	5000	897		ug/l	5000
Manganese	3.1	U	ug/l	15	3	U	ug/l	15	2.3	U	ug/l	15	8.3		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	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	556	J	ug/l	5000	148	U	ug/l	5000	143	U	ug/l	5000	134	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	2630		ug/l	5000	1870		ug/l	5000	2140	U	ug/l	5000	2330		ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50	1.8	J	ug/l	50
Zinc	10.3	UJ	ug/l	20	12.2	UJ	ug/l	20	10.2	UJ	ug/l	20	11.2	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (FILTERED) -- REQ. NO. 8101

Lab Sample Number:	A34FFF				A30G5F				A2XNTF				A2XNRF			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4F				CF8SW5F				CF8SW6F				CF8SW7DF			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	192	U	ug/l	200	247	U	ug/l	200	208	U	ug/l	200	151	U	ug/l	200
Antimony	7.1	U	ug/l	60	6	U	ug/l	60	6	U	ug/l	60	5.7	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	12		ug/l	200	6.6		ug/l	200	3.1		ug/l	200	20.1		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	1.1		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	2580		ug/l	5000	5580		ug/l	5000	9670		ug/l	5000	8450		ug/l	5000
Chromium	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10
Cobalt	1	UJ	ug/l	50	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	2	U	ug/l	25	2	U	ug/l	25
Iron	111	U	ug/l	100	365	J	ug/l	100	227	J	ug/l	100	252	J	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	902		ug/l	5000	831		ug/l	5000	646		ug/l	5000	923		ug/l	5000
Manganese	7.3		ug/l	15	8.2		ug/l	15	3.2	U	ug/l	15	6.1	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	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	144	U	ug/l	5000	329	J	ug/l	5000	406	J	ug/l	5000	353	J	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	3220	UJ	ug/l	5000	2600		ug/l	5000	2860		ug/l	5000	2970		ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10	6	UJ	ug/l	10
Vanadium	1.6	U	ug/l	50	1.1		ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Zinc	40.4	UJ	ug/l	20	17.3	UJ	ug/l	20	12.3	UJ	ug/l	20	26.2	UJ	ug/l	20
Cyanide	-				-				-				-			

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- METALS (FILTERED) -- REQ. NO. 8101

Lab Sample Number:	A2XNQF				C3XDTF				C3XE8F			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SW7F				CF8SW8F				CF8SW8DF			
Collect Date:	21-FEB-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	181	U	ug/l	200	136	J	ug/l	200	145	J	ug/l	200
Antimony	6.8	U	ug/l	60	5	J	ug/l	60	3	J	ug/l	60
Arsenic	5	U	ug/l	10	3.4	J	ug/l	10	3	U	ug/l	10
Barium	13.3		ug/l	200	13.9	J	ug/l	200	13.4	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	8080		ug/l	5000	5720	J	ug/l	5000	5570	J	ug/l	5000
Chromium	1	UJ	ug/l	10	2	U	ug/l	10	2	U	ug/l	10
Cobalt	1	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	151	J	ug/l	100	112		ug/l	100	163		ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3	2	U	ug/l	3
Magnesium	906		ug/l	5000	882	J	ug/l	5000	850	J	ug/l	5000
Manganese	5.2	U	ug/l	15	7.8	J	ug/l	15	6.9	J	ug/l	15
Mercury	.2	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	U	ug/l	40
Potassium	346	J	ug/l	5000	285	J	ug/l	5000	341	J	ug/l	5000
Selenium	4	U	ug/l	5	3	U	ug/l	5	3	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10	1	U	ug/l	10
Sodium	2930		ug/l	5000	2950	J	ug/l	5000	2960	J	ug/l	5000
Thallium	6	UJ	ug/l	10	5.2	J	ug/l	10	4	U	ug/l	10
Vanadium	1.1		ug/l	50	1.2	J	ug/l	50	1	U	ug/l	50
Zinc	5.3	U	ug/l	20	9.9	J	ug/l	20	12.9	J	ug/l	20
Cyanide	-				-				-			

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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A30CH				A2XM4				A2XM7				A2XM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES																
Alkalinity, Bicarbonate	28		mg/l	10	30		mg/l	10	18		mg/l	10	10	U	mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10
Alkalinity, Total	28		mg/l	10	30		mg/l	10	18		mg/l	10	10	U	mg/l	10
Hardness	34		mg/l	5	38		mg/l	5	15		mg/l	5	10		mg/l	5
Chloride	4		mg/l	2	3		mg/l	2	3		mg/l	2	3		mg/l	2
Total Kjeldahl Nitrogen	1	U	mg/l	1	1	U	mg/l	1	1	U	mg/l	1	2		mg/l	1
Sulfate	12		mg/l	5	13		mg/l	5	12		mg/l	5	12		mg/l	5
Sulfide	1	U	mg/l	1	4.6		mg/l	1	2.6		mg/l	1	5.8		mg/l	1
Total Phosphorous	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1
Hexavalent chromium	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02
Total Dissolved Solids	62	J	mg/l	10	49	J	mg/l	10	27	J	mg/l	10	32	J	mg/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A34FF				A30CC				A2XME				A2XMC			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES																
Alkalinity, Bicarbonate	10	U	mg/l	10	12		mg/l	10	26		mg/l	10	14		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10
Alkalinity, Total	10	U	mg/l	10	12		mg/l	10	26		mg/l	10	14		mg/l	10
Hardness	10		mg/l	5	17		mg/l	5	29		mg/l	5	23		mg/l	5
Chloride	3		mg/l	2	5		mg/l	2	5		mg/l	2	4		mg/l	2
Total Kjeldahl Nitrogen	1	U	mg/l	1	1		mg/l	1	1	U	mg/l	1	1		mg/l	1
Sulfate	5	U	mg/l	5	5		mg/l	5	13		mg/l	5	14		mg/l	5
Sulfide	1.3		mg/l	1	1	U	mg/l	1	3.8		mg/l	1	4		mg/l	1
Total Phosphorous	4.1		mg/l	.5	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1
Hexavalent chromium	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02
Total Dissolved Solids	26		mg/l	10	37	J	mg/l	10	55	J	mg/l	10	54	J	mg/l	10

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NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A2XMD
Site	CECIL3
Locator	CF8SW7D
Collect Date:	21-FEB-95

	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES				
Alkalinity, Bicarbonate	20		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10
Alkalinity, Total	20		mg/l	10
Hardness	23		mg/l	5
Chloride	4		mg/l	2
Total Kjeldahl Nitrogen	1	U	mg/l	1
Sulfate	15		mg/l	5
Sulfide	4.8		mg/l	1
Total Phosphorous	.1	U	mg/l	.1
Hexavalent chromium	.02	U	mg/l	.02
Total Dissolved Solids	55	J	mg/l	10

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7388
SURFACE WATER -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A30CH			A2XM4			A2XM7			A2XM9		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SW1			CF8SW2			CF8SW3			CF8SW4		
Collect Date:	22-FEB-95			21-FEB-95			21-FEB-95			21-FEB-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Total petroleum hydrocarbons	.5	U mg/l	.5	.5	U mg/l	.5	.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 OPERABLE UNIT 3 / SITE 8 REQ. NO. 7388
SURFACE WATER -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A34FF				A30CC				A2XME				A2XMC			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5	.5	U	mg/l	.5	.5	U	mg/l	.5	.5		mg/l	.5

U = NOT DETECTED J = ESTIMATED VALUE
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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8 REQ. NO. 7388
SURFACE WATER -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2XMD			
Site	CECIL3			
Locator	CF8SW7D			
Collect Date:	21-FEB-95			
	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	.5	U	mg/l	.5

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
VOLATILES (NOT VALIDATED) -- REQ. NO. 7687

Lab Sample Number:	C3XDT				C3XE8				C3XEA				C3XFE			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
Bromomethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
Vinyl chloride	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
Chloroethane	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
Methylene chloride	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Acetone	5	J	ug/l	2	4	J	ug/l	2	22		ug/kg	14	14	U	ug/kg	14
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,1-Dichloroethane	2		ug/l	2	3		ug/l	2	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Chloroform	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	5	J	ug/kg	14	14	U	ug/kg	14
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Benzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Bromoform	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	14	U	ug/kg	14	14	U	ug/kg	14
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Toluene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Styrene	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	7	U	ug/kg	7	7	U	ug/kg	7

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
SEMIVOLATILES (NOT VALIDATED) -- REQ. NO. 7688

Lab Sample Number:	C3XDT				C3XE8				C3XEA				C3XFE			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-MAY-96			
	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	220	J	ug/kg	450	450	U	ug/kg	450
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,2-oxybis(1-Chloropropane)	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Methylphenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
N-Nitroso-di-n-propylamine	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Isophorone	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Naphthalene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Fluorene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Anthracene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Carbazole	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
SEMIVOLATILES (NOT VALIDATED) -- REQ. NO. 7688

Lab Sample Number:	C3XDT				C3XE8				C3XEA				C3XFE			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-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	450	U	ug/kg	450	450	U	ug/kg	450
Pyrene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Chrysene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Dibenzo (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	450	U	ug/kg	450	450	U	ug/kg	450

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
PESTICIDES & PCBs (NOT VALIDATED) -- REQ. NO. 7689

Lab Sample Number:	C3XDT				C3XE8				C3XEA				C3XFE			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.42	J	ug/kg	2	.24	J	ug/kg	2
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.28	J	ug/kg	2	.22	J	ug/kg	2
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	U	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Heptachlor	.05	U	ug/l	.05	.002	J	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Aldrin	.05	U	ug/l	.05	.05	U	ug/l	.05	.26	J	ug/kg	2	.33	J	ug/kg	2
Heptachlor epoxide	.0014	J	ug/l	.05	.0048	J	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	2.3	U	ug/kg	2.3	.11	J	ug/kg	2
Dieldrin	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
4,4-DDE	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endrin	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endosulfan II	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
4,4-DDD	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endosulfan sulfate	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
4,4-DDT	.1	U	ug/l	.1	.0059	J	ug/l	.1	.12	J	ug/kg	4	4.6	U	ug/kg	4.6
Methoxychlor	.5	U	ug/l	.5	.5	U	ug/l	.5	.81	J	ug/kg	23	23	U	ug/kg	23
Endrin ketone	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
alpha-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
gamma-Chlordane	.05	U	ug/l	.05	.05	U	ug/l	.05	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Toxaphene	5	U	ug/l	5	5	U	ug/l	5	230	U	ug/kg	230	230	U	ug/kg	230
Aroclor-1016	1	U	ug/l	1	1	U	ug/l	1	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1221	2	U	ug/l	2	2	U	ug/l	2	92	U	ug/kg	92	92	U	ug/kg	92
Aroclor-1232	1	U	ug/l	1	1	U	ug/l	1	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1242	1	U	ug/l	1	1	U	ug/l	1	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1248	1	U	ug/l	1	1	U	ug/l	1	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1254	1	U	ug/l	1	1	U	ug/l	1	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1260	1	U	ug/l	1	1	U	ug/l	1	34	J	ug/kg	45	39	J	ug/kg	45

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
METALS & CYANIDE (NOT VALIDATED) -- REQ. NO. 7690

Lab Sample Number:	C3XDT				C3XE8				C3XEA				C3XFE			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	236		ug/l	200	195	J	ug/l	200	804		mg/kg	40	1070		mg/kg	40
Antimony	2	U	ug/l	60	2	U	ug/l	60	.55	U	mg/kg	12	.55	U	mg/kg	12
Arsenic	3	U	ug/l	10	3	U	ug/l	10	.83	U	mg/kg	2	.83	U	mg/kg	2
Barium	14.9	J	ug/l	200	14	J	ug/l	200	1.7	J	mg/kg	40	2.1	J	mg/kg	40
Beryllium	1	U	ug/l	5	1	U	ug/l	5	.28	U	mg/kg	1	.28	U	mg/kg	1
Cadmium	1	U	ug/l	5	1	U	ug/l	5	.28	U	mg/kg	1	.28	U	mg/kg	1
Calcium	6280		ug/l	5000	5910		ug/l	5000	63.5	J	mg/kg	1000	85.4	J	mg/kg	1000
Chromium	2	U	ug/l	10	2	U	ug/l	10	1.6	J	mg/kg	2	1.9	J	mg/kg	2
Cobalt	2	U	ug/l	50	2	U	ug/l	50	.55	U	mg/kg	10	.55	U	mg/kg	10
Copper	2	U	ug/l	25	2	U	ug/l	25	.55	U	mg/kg	5	.55	U	mg/kg	5
Iron	281		ug/l	100	243		ug/l	100	77		mg/kg	20	102		mg/kg	20
Lead	2	U	ug/l	3	2	U	ug/l	3	1.9		mg/kg	.6	2.6		mg/kg	.6
Magnesium	924	J	ug/l	5000	886	J	ug/l	5000	24.9	J	mg/kg	1000	32	J	mg/kg	1000
Manganese	7.7	J	ug/l	15	7.1	J	ug/l	15	.81	J	mg/kg	3	2.1	J	mg/kg	3
Mercury	.1	U	ug/l	.2	.1	U	ug/l	.2	.07	U	mg/kg	.1	.07	U	mg/kg	.1
Nickel	2	U	ug/l	40	2	U	ug/l	40	.55	U	mg/kg	8	.55	U	mg/kg	8
Potassium	475	J	ug/l	5000	598	J	ug/l	5000	79.1	J	mg/kg	1000	110	J	mg/kg	1000
Selenium	4.7	J	ug/l	5	3	U	ug/l	5	.83	U	mg/kg	1	1.4	J	mg/kg	1
Silver	1	U	ug/l	10	1	U	ug/l	10	.28	U	mg/kg	2	.28	U	mg/kg	2
Sodium	3450	J	ug/l	5000	2960	J	ug/l	5000	45.1	J	mg/kg	1000	50.5	J	mg/kg	1000
Thallium	5.5	J	ug/l	10	4	U	ug/l	10	1.1	U	mg/kg	2	1.1	U	mg/kg	2
Vanadium	1.1	J	ug/l	50	1.4	J	ug/l	50	2.1	J	mg/kg	10	2.8	J	mg/kg	10
Zinc	8.5	J	ug/l	20	7.2	J	ug/l	20	3.2	J	mg/kg	4	5.5		mg/kg	4
Cyanide	3	U	ug/l	10	3	U	ug/l	10	.2	U	mg/kg	.5	.22	J	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 -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER
FILTERED METALS (NOT VALIDATED) -- REQ. NO. 7691

Lab Sample Number:	C3XE8F				C3XDTF			
Site	CECIL3				CECIL3			
Locator	CF8SW8DF				CF8SW8F			
Collect Date:	06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	145	J	ug/l	200	136	J	ug/l	200
Antimony	3	J	ug/l	60	5	J	ug/l	60
Arsenic	3	U	ug/l	10	3.4	J	ug/l	10
Barium	13.4	J	ug/l	200	13.9	J	ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5
Calcium	5570	J	ug/l	5000	5720	J	ug/l	5000
Chromium	2	U	ug/l	10	2	U	ug/l	10
Cobalt	2	U	ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	2	U	ug/l	25
Iron	163		ug/l	100	112		ug/l	100
Lead	2	U	ug/l	3	2	U	ug/l	3
Magnesium	850	J	ug/l	5000	882	J	ug/l	5000
Manganese	6.9	J	ug/l	15	7.8	J	ug/l	15
Mercury	.1	U	ug/l	.2	.1	U	ug/l	.2
Nickel	2	U	ug/l	40	2	U	ug/l	40
Potassium	341	J	ug/l	5000	285	J	ug/l	5000
Selenium	3	U	ug/l	5	3	U	ug/l	5
Silver	1	U	ug/l	10	1	U	ug/l	10
Sodium	2960	J	ug/l	5000	2950	J	ug/l	5000
Thallium	4	U	ug/l	10	5.2	J	ug/l	10
Vanadium	1	U	ug/l	50	1.2	J	ug/l	50
Zinc	12.9	J	ug/l	20	9.9	J	ug/l	20
Cyanide	-				-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER & SEDIMENT
TOC & TPH (NOT VALIDATED) -- REQ. NO. 7693

Lab Sample Number:	A6E0701230				A6E0701230				A6E0701230				A6E0701230			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW8				CF8SW8D				CF8SD8				CF8SD8D			
Collect Date:	06-MAY-96				06-MAY-96				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
TOC																
Total organic carbon	7		mg/l	1	6		mg/l	1	6300		mg/kg	140	7300		mg/kg	140
TPH																
Total petroleum hydrocarbons	.5	U	mg/l	.5	.5	U	mg/l	.5	51		mg/kg	14	58		mg/kg	14

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SURFACE WATER
WET CHEMISTRY (NOT VALIDATED) -- REQ. NO. 7692

Lab Sample Number:	A6E0701230			A6E0701230		
Site	CECIL3			CECIL3		
Locator	CF8SW8			CF8SW8D		
Collect Date:	06-MAY-96			06-MAY-96		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
WET CHEMISTRY ANALYSES						
Alkalinity, Bicarbonate	11	mg/l	10	16	mg/l	10
Alkalinity, Carbonate	10 U	mg/l	10	10 U	mg/l	10
Alkalinity, Total	11	mg/l	10	16	mg/l	10
Hardness	15	mg/l	.5	18	mg/l	.5
Chloride	4	mg/l	2	4	mg/l	2
Total Kjeldahl Nitrogen	1	mg/l	1	1	mg/l	1
Sulfate	10	mg/l	5	10	mg/l	5
Sulfide	-			-		
Total Phosphorous	-			-		
Hexavalent chromium	.02 U	mg/l	.02	.02 U	mg/l	.02
Total Dissolved Solids	47	mg/l	10	34	mg/l	10

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

Section 1.11

Site 8, Wet Chemistry

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A30CH				A2XM4				A2XM7				A2XM9			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW1				CF8SW2				CF8SW3				CF8SW4			
Collect Date:	22-FEB-95				21-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES																
Alkalinity, Bicarbonate	28		mg/l	10	30		mg/l	10	18		mg/l	10	10	U	mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10
Alkalinity, Total	28		mg/l	10	30		mg/l	10	18		mg/l	10	10	U	mg/l	10
Hardness	34		mg/l	5	38		mg/l	5	15		mg/l	5	10		mg/l	5
Chloride	4		mg/l	2	3		mg/l	2	3		mg/l	2	3		mg/l	2
Sulfate	12		mg/l	5	13		mg/l	5	12		mg/l	5	12		mg/l	5
Sulfide	1	U	mg/l	1	4.6		mg/l	1	2.6		mg/l	1	5.8		mg/l	1
Total Phosphorous	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1
Hexavalent chromium	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02
Total Dissolved Solids	62	J	mg/l	10	49	J	mg/l	10	27	J	mg/l	10	32	J	mg/l	10
Total Solids	-				-				-				-			
Total Suspended Solids	-				-				-				-			
Oil and Grease	-				-				-				-			
Total Kjeldahl Nitrogen	1	U	mg/l	1	1	U	mg/l	1	1	U	mg/l	1	2		mg/l	1
Color	-				-				-				-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A34FF				A30CC				A2XME				A2XMC			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4				CF8SW5				CF8SW6				CF8SW7			
Collect Date:	01-MAR-95				22-FEB-95				21-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES																
Alkalinity, Bicarbonate	10	U	mg/l	10	12		mg/l	10	26		mg/l	10	14		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10
Alkalinity, Total	10	U	mg/l	10	12		mg/l	10	26		mg/l	10	14		mg/l	10
Hardness	10		mg/l	5	17		mg/l	5	29		mg/l	5	23		mg/l	5
Chloride	3		mg/l	2	5		mg/l	2	5		mg/l	2	4		mg/l	2
Sulfate	5	U	mg/l	5	5		mg/l	5	13		mg/l	5	14		mg/l	5
Sulfide	1.3		mg/l	1	1	U	mg/l	1	3.8		mg/l	1	4		mg/l	1
Total Phosphorous	4.1		mg/l	.5	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1
Hexavalent chromium	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02
Total Dissolved Solids	26		mg/l	10	37	J	mg/l	10	55	J	mg/l	10	54	J	mg/l	10
Total Solids	-				-				-				-			
Total Suspended Solids	-				-				-				-			
Oil and Grease	-				-				-				-			
Total Kjeldahl Nitrogen	1	U	mg/l	1	1		mg/l	1	1	U	mg/l	1	1		mg/l	1
Color	-				-				-				-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
SURFACE WATER -- WET CHEMISTRY -- REQ. NO. 6331

Lab Sample Number:	A2XMD				A6E0701230				A6E0701230			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SW7D				CF8SW8				CF8SW8D			
Collect Date:	21-FEB-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES												
Alkalinity, Bicarbonate	20		mg/l	10	11		mg/l	10	16		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10	10	U	mg/l	10	10	U	mg/l	10
Alkalinity, Total	20		mg/l	10	11		mg/l	10	16		mg/l	10
Hardness	23		mg/l	5	15		mg/l	.5	18		mg/l	.5
Chloride	4		mg/l	2	4		mg/l	2	4		mg/l	2
Sulfate	15		mg/l	5	10		mg/l	5	10		mg/l	5
Sulfide	4.8		mg/l	1	-				-			
Total Phosphorous	.1	U	mg/l	.1	-				-			
Hexavalent chromium	.02	U	mg/l	.02	.02	U	mg/l	.02	.02	U	mg/l	.02
Total Dissolved Solids	55	J	mg/l	10	47		mg/l	10	34		mg/l	10
Total Solids	-				-				-			
Total Suspended Solids	-				-				-			
Oil and Grease	-				-				-			
Total Kjeldahl Nitrogen	1	U	mg/l	1	1		mg/l	1	1		mg/l	1
Color	-				-				-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8
GROUNDWATER -- WET CHEMISTRY -- REQ. NO. 8119

Lab Sample Number:		A5D2700770		
Site		CECIL3		
Locator		CF8MW10S		
Collect Date:		26-APR-95		
	VALUE	QUAL	UNITS	DL
WET CHEMISTRY ANALYSES				
Alkalinity, Bicarbonate	12		mg/l	10
Alkalinity, Carbonate	10	U	mg/l	10
Alkalinity, Total	12		mg/l	10
Hardness	20		mg/l	5
Chloride	38		mg/l	2
Sulfate	10	U	mg/l	10
Sulfide	1	U	mg/l	1
Total Phosphorous	-			
Hexavalent chromium	-			
Total Dissolved Solids	70		mg/l	10
Total Solids	570		mg/l	10
Total Suspended Solids	520		mg/l	20
Oil and Grease	-			
Total Kjeldahl Nitrogen	-			
Color	1200		C.U.	100

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

Section 1.12

Site 8, Quality Assurance, Quality Control Results

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WMRMS				A2WMRMSD				A2WRHMS				A2WRHMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS15MS				CF8SS15MSD				CF8SS17MS				CF8SS17MSD			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-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	2	J	ug/kg	11	3	J	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	8	J	ug/kg	11	6	J	ug/kg	11	6	J	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	48		ug/kg	11	46		ug/kg	11	48		ug/kg	11	50		ug/kg	11
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	50		ug/kg	11	51		ug/kg	11	54		ug/kg	11	55		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	54		ug/kg	11	52		ug/kg	11	54		ug/kg	11	54		ug/kg	11
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	62		ug/kg	11	64		ug/kg	11	51		ug/kg	11	52		ug/kg	11
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	51		ug/kg	11	52		ug/kg	11	53		ug/kg	11	53		ug/kg	11
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	3	J	ug/kg	11	3	J	ug/kg	11
CLP SEMIVOLATILES 90-SOW																
Phenol	2000		ug/kg	360	1700		ug/kg	360	1500		ug/kg	370	1700		ug/kg	370
bis(2-Chloroethyl) ether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Chlorophenol	2000		ug/kg	360	1700		ug/kg	360	1500		ug/kg	370	1800		ug/kg	370
1,3-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,4-Dichlorobenzene	1400		ug/kg	360	1100		ug/kg	360	1000		ug/kg	370	1100		ug/kg	370
1,2-Dichlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,2-oxybis(1-Chloropropane)	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Methylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
N-Nitroso-di-n-propylamine	1400		ug/kg	360	1200		ug/kg	360	1000		ug/kg	370	1200		ug/kg	370
Hexachloroethane	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Nitrobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Isophorone	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitrophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dimethylphenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WMRMS				A2WMRMSD				A2WRHMS				A2WRHMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS15MS				CF8SS15MSD				CF8SS17MS				CF8SS17MSD			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
1,2,4-Trichlorobenzene	1500		ug/kg	360	1300		ug/kg	360	1100		ug/kg	370	1200		ug/kg	370
Naphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloroaniline	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobutadiene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chloro-3-methylphenol	2400		ug/kg	360	2000		ug/kg	360	1600		ug/kg	370	1800		ug/kg	370
2-Methylnaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorocyclopentadiene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4,6-Trichlorophenol	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4,5-Trichlorophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
2-Chloronaphthalene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
Dimethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Acenaphthylene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,6-Dinitrotoluene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
3-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
Acenaphthene	1600		ug/kg	360	1200		ug/kg	360	1000		ug/kg	370	1200		ug/kg	370
2,4-Dinitrophenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
4-Nitrophenol	1900		ug/kg	880	1600		ug/kg	880	1400		ug/kg	900	1500		ug/kg	900
Dibenzofuran	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
2,4-Dinitrotoluene	1700		ug/kg	360	1300		ug/kg	360	1100		ug/kg	370	1200		ug/kg	370
Diethylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Chlorophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Fluorene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Nitroaniline	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
4,6-Dinitro-2-methylphenol	880	U	ug/kg	880	880	U	ug/kg	880	900	U	ug/kg	900	900	U	ug/kg	900
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
4-Bromophenyl-phenylether	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Hexachlorobenzene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Pentachlorophenol	2600		ug/kg	880	2000		ug/kg	880	1600		ug/kg	900	1800		ug/kg	900
Phenanthrene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Anthracene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Carbazole	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Di-n-butylphthalate	68	J	ug/kg	360	57	J	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Pyrene	1700		ug/kg	360	1400		ug/kg	360	1400		ug/kg	370	1600		ug/kg	370
Butylbenzylphthalate	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
3,3-Dichlorobenzidine	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Chrysene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
bis(2-Ethylhexyl) phthalate	23	J	ug/kg	360	28	J	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Di-n-octylphthalate	30	J	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (b) fluoranthene	22	J	ug/kg	360	24	J	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (k) fluoranthene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (a) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Dibenzo (a,h) anthracene	360	U	ug/kg	360	360	U	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
Benzo (g,h,i) perylene	360	U	ug/kg	360	34	J	ug/kg	360	370	U	ug/kg	370	370	U	ug/kg	370
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.24	J	ug/kg	2	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WMRMS				A2WMRMSD				A2WRHMS				A2WRHMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS15MS				CF8SS15MSD				CF8SS17MS				CF8SS17MSD			
Collect Date:	19-FEB-95				19-FEB-95				19-FEB-95				19-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
delta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
gamma-BHC (Lindane)	22		ug/kg	2	21		ug/kg	2	21		ug/kg	2	20		ug/kg	2
Heptachlor	18		ug/kg	2	18		ug/kg	2	20		ug/kg	2	22		ug/kg	2
Aldrin	20		ug/kg	2	20		ug/kg	2	18		ug/kg	2	18		ug/kg	2
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Endosulfan I	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Dieldrin	42		ug/kg	4	40		ug/kg	4	42		ug/kg	4	40		ug/kg	4
4,4-DDE	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7
Endrin	47		ug/kg	4	45		ug/kg	4	45		ug/kg	4	42		ug/kg	4
Endosulfan II	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7
4,4-DDD	.79	J	ug/kg	4	.64	J	ug/kg	4	.6	J	ug/kg	4	.54	J	ug/kg	4
Endosulfan sulfate	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7
4,4-DDT	44		ug/kg	4	43		ug/kg	4	47		ug/kg	4	45		ug/kg	4
Methoxychlor	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19
Endrin ketone	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7
Endrin aldehyde	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	3.7	U	ug/kg	3.7	3.7	U	ug/kg	3.7
alpha-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
gamma-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Toxaphene	190	U	ug/kg	190	190	U	ug/kg	190	190	U	ug/kg	190	190	U	ug/kg	190
Aroclor-1016	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1221	74	U	ug/kg	74	74	U	ug/kg	74	75	U	ug/kg	75	75	U	ug/kg	75
Aroclor-1232	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1242	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1248	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1254	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1260	36	U	ug/kg	36	36	U	ug/kg	36	37	U	ug/kg	37	37	U	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 -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WLVMS				A2WLVMSD				A30HJMS				A30HJMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB16MS				CF8SB16MSD				CF8SD1MS				CF8SD1MSD			
Collect Date:	18-FEB-95				18-FEB-95				22-FEB-95				22-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Methylene chloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone	5	J	ug/kg	12	6	J	ug/kg	12	24		ug/kg	13	12	J	ug/kg	13
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	56		ug/kg	12	54		ug/kg	12	50		ug/kg	13	50		ug/kg	13
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	3	J	ug/kg	13	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	54		ug/kg	12	54		ug/kg	12	62		ug/kg	13	61		ug/kg	13
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	56		ug/kg	12	57		ug/kg	12	59		ug/kg	13	61		ug/kg	13
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	13	U	ug/kg	13	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	56		ug/kg	12	55		ug/kg	12	60		ug/kg	13	61		ug/kg	13
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	54		ug/kg	12	55		ug/kg	12	58		ug/kg	13	60		ug/kg	13
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
CLP SEMIVOLATILES 90-SOW																
Phenol	2200		ug/kg	380	2200		ug/kg	380	2600		ug/kg	420	2300		ug/kg	420
bis(2-Chloroethyl) ether	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2-Chlorophenol	2400		ug/kg	380	2300		ug/kg	380	2500		ug/kg	420	2200		ug/kg	420
1,3-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
1,4-Dichlorobenzene	1500		ug/kg	380	1500		ug/kg	380	1600		ug/kg	420	1400		ug/kg	420

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WLVMS				A2WLVMSD				A30HJMS				A30HJMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB16MS				CF8SB16MSD				CF8SD1MS				CF8SD1MSD			
Collect Date:	18-FEB-95				18-FEB-95				22-FEB-95				22-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,2-oxybis(1-Chloropropane)	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Methylphenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
N-Nitroso-di-n-propylamine	1600		ug/kg	380	1600		ug/kg	380	1800		ug/kg	420	1500		ug/kg	420
Hexachloroethane	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Nitrobenzene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Isophorone	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2-Nitrophenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dimethylphenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
bis(2-Chloroethoxy) methane	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
1,2,4-Trichlorobenzene	1700		ug/kg	380	1600		ug/kg	380	1800		ug/kg	420	1600		ug/kg	420
Naphthalene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Chloroaniline	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorobutadiene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Chloro-3-methylphenol	2500		ug/kg	380	2400		ug/kg	380	2900		ug/kg	420	2800		ug/kg	420
2-Methylnaphthalene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorocyclopentadiene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,4,6-Trichlorophenol	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,4,5-Trichlorophenol	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
2-Chloronaphthalene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2-Nitroaniline	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
Dimethylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Acenaphthylene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,6-Dinitrotoluene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
3-Nitroaniline	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
Acenaphthene	1600		ug/kg	380	1500		ug/kg	380	1800		ug/kg	420	1700		ug/kg	420
2,4-Dinitrophenol	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
4-Nitrophenol	2800		ug/kg	930	2500		ug/kg	930	2700		ug/kg	1000	2200		ug/kg	1000
Dibenzofuran	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
2,4-Dinitrotoluene	1800		ug/kg	380	1600		ug/kg	380	2000		ug/kg	420	1900		ug/kg	420
Diethylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Chlorophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Fluorene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Nitroaniline	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
4,6-Dinitro-2-methylphenol	930	U	ug/kg	930	930	U	ug/kg	930	1000	U	ug/kg	1000	1000	U	ug/kg	1000
N-Nitrosodiphenylamine (1)	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
4-Bromophenyl-phenylether	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Hexachlorobenzene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Pentachlorophenol	3000		ug/kg	930	2500		ug/kg	930	3400		ug/kg	1000	3300		ug/kg	1000
Phenanthrene	380	U	ug/kg	380	380	U	ug/kg	380	160	J	ug/kg	420	48	J	ug/kg	420
Anthracene	380	U	ug/kg	380	380	U	ug/kg	380	24	J	ug/kg	420	420	U	ug/kg	420
Carbazole	380	U	ug/kg	380	380	U	ug/kg	380	27	J	ug/kg	420	420	U	ug/kg	420
Di-n-butylphthalate	22	J	ug/kg	380	380	U	ug/kg	380	38	J	ug/kg	420	160	J	ug/kg	420
Fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	270	J	ug/kg	420	170	J	ug/kg	420
Pyrene	2200		ug/kg	380	1900		ug/kg	380	2200		ug/kg	420	2200		ug/kg	420
Butylbenzylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
3,3-Dichlorobenzidine	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (a) anthracene	380	U	ug/kg	380	380	U	ug/kg	380	110	J	ug/kg	420	59	J	ug/kg	420
Chrysene	380	U	ug/kg	380	380	U	ug/kg	380	120	J	ug/kg	420	120	J	ug/kg	420
bis(2-Ethylhexyl) phthalate	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	180	J	ug/kg	420

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A2WLVMS				A2WLVMSD				A30HJMS				A30HJMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SB16MS				CF8SB16MSD				CF8SD1MS				CF8SD1MSD			
Collect Date:	18-FEB-95				18-FEB-95				22-FEB-95				22-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (b) fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	130	J	ug/kg	420	96	J	ug/kg	420
Benzo (k) fluoranthene	380	U	ug/kg	380	380	U	ug/kg	380	68	J	ug/kg	420	48	J	ug/kg	420
Benzo (a) pyrene	380	U	ug/kg	380	380	U	ug/kg	380	79	J	ug/kg	420	61	J	ug/kg	420
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	380	U	ug/kg	380	39	J	ug/kg	420	21	J	ug/kg	420
Dibenzo (a,h) anthracene	380	U	ug/kg	380	380	U	ug/kg	380	420	U	ug/kg	420	420	U	ug/kg	420
Benzo (g,h,i) perylene	380	U	ug/kg	380	380	U	ug/kg	380	22	J	ug/kg	420	24	J	ug/kg	420
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
beta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
delta-BHC	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
gamma-BHC (Lindane)	21		ug/kg	2	23		ug/kg	2	22		ug/kg	2	23		ug/kg	2
Heptachlor	18		ug/kg	2	21		ug/kg	2	21		ug/kg	2	17		ug/kg	2
Aldrin	19		ug/kg	2	20		ug/kg	2	22		ug/kg	2	22		ug/kg	2
Heptachlor epoxide	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
Endosulfan I	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
Dieldrin	41		ug/kg	4	46		ug/kg	4	42		ug/kg	4	45		ug/kg	4
4,4-DDE	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin	45		ug/kg	4	50		ug/kg	4	46		ug/kg	4	47		ug/kg	4
Endosulfan II	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDD	2.5	J	ug/kg	4	2.1	J	ug/kg	4	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endosulfan sulfate	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
4,4-DDT	44		ug/kg	4	47		ug/kg	4	49		ug/kg	4	51		ug/kg	4
Methoxychlor	1.4	J	ug/kg	20	3.3	J	ug/kg	20	21	U	ug/kg	21	22	U	ug/kg	22
Endrin ketone	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
Endrin aldehyde	3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	4.2	U	ug/kg	4.2	4.2	U	ug/kg	4.2
alpha-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
gamma-Chlordane	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9	2.1	U	ug/kg	2.1	2.2	U	ug/kg	2.2
Toxaphene	190	U	ug/kg	190	190	U	ug/kg	190	210	U	ug/kg	210	220	U	ug/kg	220
Aroclor-1016	39	U	ug/kg	39	39	U	ug/kg	39	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1221	78	U	ug/kg	78	78	U	ug/kg	78	85	U	ug/kg	85	85	U	ug/kg	85
Aroclor-1232	39	U	ug/kg	39	39	U	ug/kg	39	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1242	39	U	ug/kg	39	39	U	ug/kg	39	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1248	39	U	ug/kg	39	39	U	ug/kg	39	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1254	39	U	ug/kg	39	39	U	ug/kg	39	42	U	ug/kg	42	42	U	ug/kg	42
Aroclor-1260	39	U	ug/kg	39	39	U	ug/kg	39	140		ug/kg	42	160		ug/kg	42

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A34FNMS			A34FNMSD			C3XEAMS			C3XEAMSD		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SD4MS			CF8SD4MSD			CF8SD8MS			CF8SD8MSD		
Collect Date:	01-MAR-95			01-MAR-95			06-MAY-96			06-MAY-96		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
Bromomethane	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
Vinyl chloride	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
Chloroethane	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
Methylene chloride	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Acetone	26	ug/kg	15	8 J	ug/kg	15	12 J	ug/kg	14	16	ug/kg	14
Carbon disulfide	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
1,1-Dichloroethene	74	ug/kg	15	64	ug/kg	15	71	ug/kg	14	74	ug/kg	14
1,1-Dichloroethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
1,2-Dichloroethene (total)	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Chloroform	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
1,2-Dichloroethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
2-Butanone	15 U	ug/kg	15	15 U	ug/kg	15	45	ug/kg	14	53	ug/kg	14
1,1,1-Trichloroethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Carbon tetrachloride	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Bromodichloromethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
1,2-Dichloropropane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
cis-1,3-Dichloropropene	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Trichloroethene	66	ug/kg	15	67	ug/kg	15	64	ug/kg	14	65	ug/kg	14
Dibromochloromethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
1,1,2-Trichloroethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Benzene	70	ug/kg	15	67	ug/kg	15	68	ug/kg	14	69	ug/kg	14
trans-1,3-Dichloropropene	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Bromoform	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
4-Methyl-2-pentanone	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
2-Hexanone	15 U	ug/kg	15	15 U	ug/kg	15	14 U	ug/kg	14	14 U	ug/kg	14
Tetrachloroethene	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Toluene	75	ug/kg	15	74	ug/kg	15	70	ug/kg	14	74	ug/kg	14
1,1,2,2-Tetrachloroethane	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Chlorobenzene	72	ug/kg	15	69	ug/kg	15	66	ug/kg	14	66	ug/kg	14
Ethylbenzene	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Styrene	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
Xylenes (total)	8 U	ug/kg	8	8 U	ug/kg	8	7 U	ug/kg	7	7 U	ug/kg	7
CLP SEMIVOLATILES 90-SOW												
Phenol	2800	ug/kg	500	1900	ug/kg	330	2500 J	ug/kg	450	2500 J	ug/kg	450
bis(2-Chloroethyl) ether	500 U	ug/kg	500	330 U	ug/kg	330	450 U	ug/kg	450	450 U	ug/kg	450
2-Chlorophenol	2900	ug/kg	500	1800	ug/kg	330	2300	ug/kg	450	2500	ug/kg	450
1,3-Dichlorobenzene	500 U	ug/kg	500	330 U	ug/kg	330	450 U	ug/kg	450	450 U	ug/kg	450
1,4-Dichlorobenzene	2000	ug/kg	500	1200	ug/kg	330	1300	ug/kg	450	1500	ug/kg	450

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A34FNMS				A34FNMSD				C3XEAMS				C3XEAMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4MS				CF8SD4MSD				CF8SD8MS				CF8SD8MSD			
Collect Date:	01-MAR-95				01-MAR-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2-Methylphenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,2-oxybis(1-Chloropropane)	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Methylphenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
N-Nitroso-di-n-propylamine	1800		ug/kg	500	1300		ug/kg	330	1400		ug/kg	450	1600		ug/kg	450
Hexachloroethane	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Nitrobenzene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Isophorone	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitrophenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dimethylphenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Chloroethoxy) methane	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dichlorophenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
1,2,4-Trichlorobenzene	2100		ug/kg	500	1200		ug/kg	330	1400		ug/kg	450	1500		ug/kg	450
Naphthalene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloroaniline	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobutadiene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloro-3-methylphenol	3000		ug/kg	500	2100		ug/kg	330	3400		ug/kg	450	3000		ug/kg	450
2-Methylnaphthalene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorocyclopentadiene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,4,6-Trichlorophenol	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,4,5-Trichlorophenol	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
2-Chloronaphthalene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitroaniline	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Dimethylphthalate	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Acenaphthylene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,6-Dinitrotoluene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
3-Nitroaniline	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Acenaphthene	1900		ug/kg	500	1200		ug/kg	330	1800		ug/kg	450	1600		ug/kg	450
2,4-Dinitrophenol	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4-Nitrophenol	3000		ug/kg	1200	2000		ug/kg	800	2300		ug/kg	1100	2000		ug/kg	1100
Dibenzofuran	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dinitrotoluene	2200		ug/kg	500	1200		ug/kg	330	1600		ug/kg	450	1400		ug/kg	450
Diethylphthalate	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Chlorophenyl-phenylether	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Fluorene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Nitroaniline	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	1200	U	ug/kg	1200	800	U	ug/kg	800	1100	U	ug/kg	1100	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
4-Bromophenyl-phenylether	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobenzene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Pentachlorophenol	3900		ug/kg	1200	2300		ug/kg	800	4000	J	ug/kg	1100	3100		ug/kg	1100
Phenanthrene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Anthracene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Carbazole	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Di-n-butylphthalate	42	J	ug/kg	500	190	J	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Fluoranthene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Pyrene	2700		ug/kg	500	1700		ug/kg	330	2100		ug/kg	450	1700		ug/kg	450
Butylbenzylphthalate	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
3,3-Dichlorobenzidine	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) anthracene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Chrysene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Ethylhexyl) phthalate	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	A34FNMS				A34FNMSD				C3XEAMS				C3XEAMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SD4MS				CF8SD4MSD				CF8SD8MS				CF8SD8MSD			
Collect Date:	01-MAR-95				01-MAR-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (b) fluoranthene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (k) fluoranthene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) pyrene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Indeno (1,2,3-cd) pyrene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Dibenzo (a,h) anthracene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (g,h,i) perylene	500	U	ug/kg	500	330	U	ug/kg	330	450	U	ug/kg	450	450	U	ug/kg	450
CLP PESTICIDES/PCBS 90-SDW																
alpha-BHC	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	.21	J	ug/kg	2
beta-BHC	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
delta-BHC	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	.22	J	ug/kg	2
gamma-BHC (Lindane)	25		ug/kg		2.6	U	ug/kg	2.6	20	J	ug/kg	2	25		ug/kg	2
Heptachlor	23		ug/kg		24		ug/kg		20		ug/kg	2	25		ug/kg	2
Aldrin	25		ug/kg		26		ug/kg		20	J	ug/kg	2	24	J	ug/kg	2
Heptachlor epoxide	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Endosulfan I	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Dieldrin	49		ug/kg		52		ug/kg		39		ug/kg	4	47		ug/kg	4
4,4-DDE	5	U	ug/kg	5	5	U	ug/kg	5	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endrin	49		ug/kg		52		ug/kg		44		ug/kg	4	54		ug/kg	4
Endosulfan II	5	U	ug/kg	5	5	U	ug/kg	5	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
4,4-DDD	.72	J	ug/kg		.5	J	ug/kg		.15	J	ug/kg	4	.13	J	ug/kg	4
Endosulfan sulfate	5	U	ug/kg	5	5	U	ug/kg	5	4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
4,4-DDT	53		ug/kg		56		ug/kg		50	J	ug/kg	4	61	J	ug/kg	4
Methoxychlor	.8	J	ug/kg		1.3	J	ug/kg		23	U	ug/kg	23	1.7	J	ug/kg	23
Endrin ketone	.39	J	ug/kg		.51	J	ug/kg		4.6	U	ug/kg	4.6	4.6	U	ug/kg	4.6
Endrin aldehyde	5	U	ug/kg	5	5	U	ug/kg	5	1.5	J	ug/kg	4	1.7	J	ug/kg	4
alpha-Chlordane	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
gamma-Chlordane	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2.3	U	ug/kg	2.3	2.3	U	ug/kg	2.3
Toxaphene	260	U	ug/kg	260	260	U	ug/kg	260	230	U	ug/kg	230	230	U	ug/kg	230
Aroclor-1016	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1221	100	U	ug/kg	100	100	U	ug/kg	100	92	U	ug/kg	92	92	U	ug/kg	92
Aroclor-1232	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1242	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1248	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1254	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46
Aroclor-1260	50	U	ug/kg	50	50	U	ug/kg	50	46	U	ug/kg	46	46	U	ug/kg	46

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	C3XFEREMS			C3XFEREMSD		
Site	CECIL3			CECIL3		
Locator	CF8SD8REMS			CF8SD8REMSD		
Collect Date:	06-MAY-96			06-MAY-96		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW						
Chloromethane	-			-		
Bromomethane	-			-		
Vinyl chloride	-			-		
Chloroethane	-			-		
Methylene chloride	-			-		
Acetone	-			-		
Carbon disulfide	-			-		
1,1-Dichloroethene	-			-		
1,1-Dichloroethane	-			-		
1,2-Dichloroethene (total)	-			-		
Chloroform	-			-		
1,2-Dichloroethane	-			-		
2-Butanone	-			-		
1,1,1-Trichloroethane	-			-		
Carbon tetrachloride	-			-		
Bromodichloromethane	-			-		
1,2-Dichloropropane	-			-		
cis-1,3-Dichloropropene	-			-		
Trichloroethene	-			-		
Dibromochloromethane	-			-		
1,1,2-Trichloroethane	-			-		
Benzene	-			-		
trans-1,3-Dichloropropene	-			-		
Bromoform	-			-		
4-Methyl-2-pentanone	-			-		
2-Hexanone	-			-		
Tetrachloroethene	-			-		
Toluene	-			-		
1,1,2,2-Tetrachloroethane	-			-		
Chlorobenzene	-			-		
Ethylbenzene	-			-		
Styrene	-			-		
Xylenes (total)	-			-		
CLP SEMIVOLATILES 90-SOW						
Phenol	1800 J	ug/kg	450	1800 J	ug/kg	450
bis(2-Chloroethyl) ether	450 U	ug/kg	450	450 U	ug/kg	450
2-Chlorophenol	1800	ug/kg	450	1900	ug/kg	450
1,3-Dichlorobenzene	450 U	ug/kg	450	450 U	ug/kg	450
1,4-Dichlorobenzene	1100	ug/kg	450	1100	ug/kg	450

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	C3XFEREMS				C3XFEREMSD			
Site	CECIL3				CECIL3			
Locator	CF8SD8REMS				CF8SD8REMSD			
Collect Date:	06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	450	U	ug/kg	450	450	U	ug/kg	450
2-Methylphenol	450	U	ug/kg	450	450	U	ug/kg	450
2,2-oxybis(1-Chloropropane)	450	U	ug/kg	450	450	U	ug/kg	450
4-Methylphenol	450	U	ug/kg	450	450	U	ug/kg	450
N-Nitroso-di-n-propylamine	1000		ug/kg	450	1000		ug/kg	450
Hexachloroethane	450	U	ug/kg	450	450	U	ug/kg	450
Nitrobenzene	450	U	ug/kg	450	450	U	ug/kg	450
Isophorone	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitrophenol	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dimethylphenol	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Chloroethoxy) methane	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dichlorophenol	450	U	ug/kg	450	450	U	ug/kg	450
1,2,4-Trichlorobenzene	1100		ug/kg	450	1200		ug/kg	450
Naphthalene	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloroaniline	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobutadiene	450	U	ug/kg	450	450	U	ug/kg	450
4-Chloro-3-methylphenol	2600		ug/kg	450	2900		ug/kg	450
2-Methylnaphthalene	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorocyclopentadiene	450	U	ug/kg	450	450	U	ug/kg	450
2,4,6-Trichlorophenol	450	U	ug/kg	450	450	U	ug/kg	450
2,4,5-Trichlorophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100
2-Chloronaphthalene	450	U	ug/kg	450	450	U	ug/kg	450
2-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Dimethylphthalate	450	U	ug/kg	450	450	U	ug/kg	450
Acenaphthylene	450	U	ug/kg	450	450	U	ug/kg	450
2,6-Dinitrotoluene	450	U	ug/kg	450	450	U	ug/kg	450
3-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100
Acenaphthene	1400		ug/kg	450	1500		ug/kg	450
2,4-Dinitrophenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4-Nitrophenol	2300		ug/kg	1100	2600		ug/kg	1100
Dibenzofuran	450	U	ug/kg	450	450	U	ug/kg	450
2,4-Dinitrotoluene	1800		ug/kg	450	1800		ug/kg	450
Diethylphthalate	450	U	ug/kg	450	450	U	ug/kg	450
4-Chlorophenyl-phenylether	450	U	ug/kg	450	450	U	ug/kg	450
Fluorene	450	U	ug/kg	450	450	U	ug/kg	450
4-Nitroaniline	1100	U	ug/kg	1100	1100	U	ug/kg	1100
4,6-Dinitro-2-methylphenol	1100	U	ug/kg	1100	1100	U	ug/kg	1100
N-Nitrosodiphenylamine (1)	450	U	ug/kg	450	450	U	ug/kg	450
4-Bromophenyl-phenylether	450	U	ug/kg	450	450	U	ug/kg	450
Hexachlorobenzene	450	U	ug/kg	450	450	U	ug/kg	450
Pentachlorophenol	3000		ug/kg	1100	3300		ug/kg	1100
Phenanthrene	450	U	ug/kg	450	450	U	ug/kg	450
Anthracene	450	U	ug/kg	450	450	U	ug/kg	450
Carbazole	450	U	ug/kg	450	450	U	ug/kg	450
Di-n-butylphthalate	450	U	ug/kg	450	450	U	ug/kg	450
Fluoranthene	450	U	ug/kg	450	450	U	ug/kg	450
Pyrene	1700		ug/kg	450	2000		ug/kg	450
Butylbenzylphthalate	450	U	ug/kg	450	450	U	ug/kg	450
3,3-Dichlorobenzidine	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) anthracene	450	U	ug/kg	450	450	U	ug/kg	450
Chrysene	450	U	ug/kg	450	450	U	ug/kg	450
bis(2-Ethylhexyl) phthalate	450	U	ug/kg	450	450	U	ug/kg	450

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8103

Lab Sample Number:	C3XFEREMS				C3XFEREMSD			
Site	CECIL3				CECIL3			
Locator	CF8SD8REMS				CF8SD8REMSD			
Collect Date:	06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (b) fluoranthene	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (k) fluoranthene	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (a) pyrene	450	U	ug/kg	450	450	U	ug/kg	450
Indeno (1,2,3-cd) pyrene	450	U	ug/kg	450	450	U	ug/kg	450
Dibenzo (a,h) anthracene	450	U	ug/kg	450	450	U	ug/kg	450
Benzo (g,h,i) perylene	450	U	ug/kg	450	450	U	ug/kg	450
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	-				-			
beta-BHC	-				-			
delta-BHC	-				-			
gamma-BHC (Lindane)	-				-			
Heptachlor	-				-			
Aldrin	-				-			
Heptachlor epoxide	-				-			
Endosulfan I	-				-			
Dieldrin	-				-			
4,4-DDE	-				-			
Endrin	-				-			
Endosulfan II	-				-			
4,4-DDD	-				-			
Endosulfan sulfate	-				-			
4,4-DDT	-				-			
Methoxychlor	-				-			
Endrin ketone	-				-			
Endrin aldehyde	-				-			
alpha-Chlordane	-				-			
gamma-Chlordane	-				-			
Toxaphene	-				-			
Aroclor-1016	-				-			
Aroclor-1221	-				-			
Aroclor-1232	-				-			
Aroclor-1242	-				-			
Aroclor-1248	-				-			
Aroclor-1254	-				-			
Aroclor-1260	-				-			

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8105

Lab Sample Number:	A2W2X			A2XP0		
Site	CECIL3			CECIL3		
Locator	CF8SB11T			CF8SD6T		
Collect Date:	17-FEB-95			21-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP VOLATILES 90-SOW						
Chloromethane	2 U	ug/l	2	2 U	ug/l	2
Bromomethane	2 U	ug/l	2	2 U	ug/l	2
Vinyl chloride	2 U	ug/l	2	2 U	ug/l	2
Chloroethane	2 U	ug/l	2	2 U	ug/l	2
Methylene chloride	2	ug/l	2	1 U	ug/l	1
Acetone	2 U	ug/l	2	2 U	ug/l	2
Carbon disulfide	1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethene	1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethane	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloroethene (total)	1 U	ug/l	1	1 U	ug/l	1
Chloroform	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloroethane	1 U	ug/l	1	1 U	ug/l	1
2-Butanone	2 U	ug/l	2	2 U	ug/l	2
1,1,1-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1
Carbon tetrachloride	1 U	ug/l	1	1 U	ug/l	1
Bromodichloromethane	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloropropane	1 U	ug/l	1	1 U	ug/l	1
cis-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1
Trichloroethene	1 U	ug/l	1	1 U	ug/l	1
Dibromochloromethane	1 U	ug/l	1	1 U	ug/l	1
1,1,2-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1
Benzene	1 U	ug/l	1	1 U	ug/l	1
trans-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1
Bromoform	1 U	ug/l	1	1 U	ug/l	1
4-Methyl-2-pentanone	2 U	ug/l	2	2 U	ug/l	2
2-Hexanone	2 U	ug/l	2	2 R	ug/l	2
Tetrachloroethene	1 U	ug/l	1	1 U	ug/l	1
Toluene	1 U	ug/l	1	1 U	ug/l	1
1,1,2,2-Tetrachloroethane	1 U	ug/l	1	1 U	ug/l	1
Chlorobenzene	1 U	ug/l	1	1 U	ug/l	1
Ethylbenzene	1 U	ug/l	1	1 U	ug/l	1
Styrene	1 U	ug/l	1	1 U	ug/l	1
Xylenes (total)	1 U	ug/l	1	1 U	ug/l	1

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8107

Lab Sample Number:	A2WRV				A2WRW				A2W2W				A2XNX			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS10R				CF8SS22R				CF8SB11R				CF8SD6R			
Collect Date:	19-FEB-95				19-FEB-95				17-FEB-95				21-FEB-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	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	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
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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8107

Lab Sample Number:	A2WRV			A2WRW			A2W2W			A2XNX		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SS10R			CF8SS22R			CF8SB11R			CF8SD6R		
Collect Date:	19-FEB-95			19-FEB-95			17-FEB-95			21-FEB-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
bis(2-Chloroethoxy) methane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
2-Chloronaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dimethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acenaphthylene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Acenaphthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4-Nitrophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Dibenzofuran	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
4,6-Dinitro-2-methylphenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
N-Nitrosodiphenylamine (1)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25	25 U	ug/l	25
Phenanthrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Anthracene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Carbazole	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Di-n-butylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pyrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Butylbenzylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3,3-Dichlorobenzidine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzo (a) anthracene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Chrysene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Ethylhexyl) phthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Di-n-octylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzo (b) fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzo (k) fluoranthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzo (a) pyrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Indeno (1,2,3-cd) pyrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
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
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	.05 U	ug/l	.05	.05 UJ	ug/l	.05	.05 U	ug/l	.05	.05 U	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8107

Lab Sample Number:	A2WRV				A2WRW				A2W2W				A2XNX			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS10R				CF8SS22R				CF8SB11R				CF8SD6R			
Collect Date:	19-FEB-95				19-FEB-95				17-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
beta-BHC	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	U	ug/l	.5	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	U	ug/l	.05	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	U	ug/l	5	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	U	ug/l	1	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
CLP METALS AND CYANIDE																
Aluminum	111		ug/l	200	154		ug/l	200	100		ug/l	200	73.8		ug/l	200
Antimony	2.9		ug/l	60	2.3		ug/l	60	3.9		ug/l	60	2	U	ug/l	60
Arsenic	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10	5	U	ug/l	10
Barium	1.9	J	ug/l	200	1	U	ug/l	200	2.1	J	ug/l	200	1	U	ug/l	200
Beryllium	1.2		ug/l	5	1	U	ug/l	5	1.1		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	29	U	ug/l	5000	58		ug/l	5000	83.8		ug/l	5000	228		ug/l	5000
Chromium	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10	1	UJ	ug/l	10
Cobalt	1	U	ug/l	50	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	2	U	ug/l	25	2	U	ug/l	25
Iron	11	U	ug/l	100	13.1	J	ug/l	100	12.5		ug/l	100	11	U	ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	2	U	ug/l	3	2	U	ug/l	3
Magnesium	19		ug/l	5000	14.2		ug/l	5000	31.9		ug/l	5000	12	U	ug/l	5000
Manganese	1	U	ug/l	15	1	U	ug/l	15	1		ug/l	15	1.3		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	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40	2	U	ug/l	40
Potassium	59	U	ug/l	5000	59	U	ug/l	5000	81.7		ug/l	5000	29.3	J	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	60	U	ug/l	5000	60	U	ug/l	5000	60	UJ	ug/l	5000	453		ug/l	5000
Thallium	6	UJ	ug/l	10	6	UJ	ug/l	10	6	U	ug/l	10	6	UJ	ug/l	10
Vanadium	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50	1	U	ug/l	50
Zinc	1.9		ug/l	20	3.4		ug/l	20	6.1		ug/l	20	9	J	ug/l	20

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- SOILS
QA/QC SAMPLES -- RINSATE BLANKS -- ALL FRACTIONS -- REQ. NO. 8107

Lab Sample Number:	A2WRV				A2WRW				A2W2W				A2XNX			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SS10R				CF8SS22R				CF8SB11R				CF8SD6R			
Collect Date:	19-FEB-95				19-FEB-95				17-FEB-95				21-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Cyanide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	10

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A418WMS				A418WMSD				A48A8MS				A48A8MSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW3DMS				CF8MW3DMSD				CF8MW11DMS				CF8MW11DMSD			
Collect Date:	13-APR-95				13-APR-95				26-APR-95				26-APR-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	9		ug/l	2	8		ug/l	2	8		ug/l	2	8		ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	10		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	10		ug/l	2	10		ug/l	2	9		ug/l	2	10		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	10		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	10		ug/l	2	10		ug/l	2	10		ug/l	2	10		ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
CLP SEMIVOLATILES 90-SOW																
Phenol	56		ug/l	10	53		ug/l	10	59		ug/l	10	53		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	60		ug/l	10	55		ug/l	10	61		ug/l	10	57		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	38		ug/l	10	35		ug/l	10	38		ug/l	10	36		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	40		ug/l	10	37		ug/l	10	39		ug/l	10	37		ug/l	10
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Isophorone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A418WMS				A418WMSD				A48A8MS				A48A8MSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW3DMS				CF8MW3DMSD				CF8MW11DMS				CF8MW11DMSD			
Collect Date:	13-APR-95				13-APR-95				26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	40		ug/l	10	36		ug/l	10	40		ug/l	10	37		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	67		ug/l	10	63		ug/l	10	68		ug/l	10	64		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	42		ug/l	10	41		ug/l	10	39		ug/l	10	40		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	61		ug/l	25	65		ug/l	25	42		ug/l	25	42		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	47		ug/l	10	48		ug/l	10	42		ug/l	10	40		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	78		ug/l	25	75		ug/l	25	66		ug/l	25	61		ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	54		ug/l	10	53		ug/l	10	42		ug/l	10	45		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	10		ug/l	10	7	J	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A418WMS				A418WMSD				A48A8MS				A48A8MSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW3DMS				CF8MW3DMSD				CF8MW11DMS				CF8MW11DMSD			
Collect Date:	13-APR-95				13-APR-95				26-APR-95				26-APR-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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)	.36		ug/l	.05	.5		ug/l	.05	.5		ug/l	.05	.54		ug/l	.05
Heptachlor	.25		ug/l	.05	.36		ug/l	.05	.41		ug/l	.05	.36		ug/l	.05
Aldrin	.34		ug/l	.05	.47		ug/l	.05	.41		ug/l	.05	.33		ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.7		ug/l	.1	.93		ug/l	.1	.9		ug/l	.1	.84		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	.78		ug/l	.1	1		ug/l	.1	.97		ug/l	.1	.88		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	.006	J	ug/l	.1	.006	J	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	.76		ug/l	.1	.96		ug/l	.1	.81		ug/l	.1	.62		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	.003	J	ug/l	.1	.005	J	ug/l	.1	.005	J	ug/l	.1	.04	J	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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS			A34FFMSD			A30G8MS			A30G8MSD		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SWMS			CF8SWMSD			CF8SW1MS			CF8SW1MSD		
Collect Date:	01-MAR-95			01-MAR-95			22-FEB-95			22-FEB-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
Bromomethane	-			-			2 U	ug/l	2	2 U	ug/l	2
Vinyl chloride	-			-			2 U	ug/l	2	2 U	ug/l	2
Chloroethane	-			-			2 U	ug/l	2	2 U	ug/l	2
Methylene chloride	-			-			1 U	ug/l	1	1 U	ug/l	1
Acetone	-			-			2 U	ug/l	2	2 U	ug/l	2
Carbon disulfide	-			-			1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethene	-			-			9	ug/l	2	9	ug/l	2
1,1-Dichloroethane	-			-			1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloroethene (total)	-			-			1 U	ug/l	1	1 U	ug/l	1
Chloroform	-			-			1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloroethane	-			-			1 U	ug/l	1	1 U	ug/l	1
2-Butanone	-			-			2 U	ug/l	2	2 U	ug/l	2
1,1,1-Trichloroethane	-			-			1 U	ug/l	1	1 U	ug/l	1
Carbon tetrachloride	-			-			1 U	ug/l	1	1 U	ug/l	1
Bromodichloromethane	-			-			1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloropropane	-			-			1 U	ug/l	1	1 U	ug/l	1
cis-1,3-Dichloropropene	-			-			1 U	ug/l	1	1 U	ug/l	1
Trichloroethene	-			-			10	ug/l	2	10	ug/l	2
Dibromochloromethane	-			-			1 U	ug/l	1	1 U	ug/l	1
1,1,2-Trichloroethane	-			-			1 U	ug/l	1	1 U	ug/l	1
Benzene	-			-			11	ug/l	2	11	ug/l	2
trans-1,3-Dichloropropene	-			-			1 U	ug/l	1	1 U	ug/l	1
Bromoform	-			-			1 U	ug/l	1	1 U	ug/l	1
4-Methyl-2-pentanone	-			-			2 U	ug/l	2	2 U	ug/l	2
2-Hexanone	-			-			2 U	ug/l	2	2 U	ug/l	2
Tetrachloroethene	-			-			1 U	ug/l	1	1 U	ug/l	1
Toluene	-			-			10	ug/l	2	10	ug/l	2
1,1,2,2-Tetrachloroethane	-			-			1 U	ug/l	1	1 U	ug/l	1
Chlorobenzene	-			-			10	ug/l	2	10	ug/l	2
Ethylbenzene	-			-			1 U	ug/l	1	1 U	ug/l	1
Styrene	-			-			1 U	ug/l	1	1 U	ug/l	1
Xylenes (total)	-			-			1 U	ug/l	1	1 U	ug/l	1
CLP SEMIVOLATILES 90-SOW												
Phenol	-			-			48	ug/l	10	52	ug/l	10
bis(2-Chloroethyl) ether	-			-			10 U	ug/l	10	10 U	ug/l	10
2-Chlorophenol	-			-			50	ug/l	10	55	ug/l	10
1,3-Dichlorobenzene	-			-			10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	-			-			32	ug/l	10	34	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS				A34FFMSD				A30G8MS				A30G8MSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SWMS				CF8SWMSD				CF8SW1MS				CF8SW1MSD			
Collect Date:	01-MAR-95				01-MAR-95				22-FEB-95				22-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	-				-				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
4-Methylphenol	-				-				10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine	-				-				33		ug/l	10	33		ug/l	10
Hexachloroethane	-				-				10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
Isophorone	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	-				-				10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	-				-				38		ug/l	10	40		ug/l	10
Naphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	-				-				60		ug/l	10	65		ug/l	10
2-Methylnaphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	-				-				25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	-				-				10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	-				-				10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	-				-				25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	-				-				35		ug/l	10	39		ug/l	10
2,4-Dinitrophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	-				-				32		ug/l	25	40		ug/l	25
Dibenzofuran	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	-				-				38		ug/l	10	42		ug/l	10
Diethylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	-				-				10	U	ug/l	10	10	U	ug/l	10
Fluorene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	-				-				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
N-Nitrosodiphenylamine (1)	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	-				-				75		ug/l	25	80		ug/l	25
Phenanthrene	-				-				10	U	ug/l	10	10	U	ug/l	10
Anthracene	-				-				10	U	ug/l	10	10	U	ug/l	10
Carbazole	-				-				10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Pyrene	-				-				50		ug/l	10	56		ug/l	10
Butylbenzylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	-				-				10	U	ug/l	10	10	U	ug/l	10
Chrysene	-				-				10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-				-				10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS				A34FFMSD				A30G8MS				A30G8MSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SWMS				CF8SWMSD				CF8SW1MS				CF8SW1MSD			
Collect Date:	01-MAR-95				01-MAR-95				22-FEB-95				22-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	-				-				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
Dibenzo (a,h) anthracene	-				-				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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.46		ug/l	.1	.4		ug/l	.1	.45		ug/l	.05	.52		ug/l	.05
Heptachlor	.41		ug/l	.1	.44		ug/l	.1	.45		ug/l	.05	.52		ug/l	.05
Aldrin	.46		ug/l	.1	.05	U	ug/l	.05	.44		ug/l	.05	.5		ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.9		ug/l	.2	.89		ug/l	.2	.93		ug/l	.1	1		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	.88		ug/l	.2	.88		ug/l	.2	.95		ug/l	.1	1.1		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	.013	J	ug/l	.1	.013	J	ug/l	.1	.005	J	ug/l	.1	.009	J	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	.95		ug/l	.2	.92		ug/l	.2	.95		ug/l	.1	1.1		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	.014	J	ug/l	.2	.013	J	ug/l	.2	.006	J	ug/l	.1	.006	J	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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS			A34FFMSD			C3XDTMS			C3XDTMSD		
Site	CECIL3			CECIL3			CECIL3			CECIL3		
Locator	CF8SW4MS			CF8SW4MSD			CF8SW8MS			CF8SW8MSD		
Collect Date:	01-MAR-95			01-MAR-95			06-MAY-96			06-MAY-96		
	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	7 J	ug/l	2	5 J	ug/l	2
Carbon disulfide	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethene	10	ug/l	2	10	ug/l	2	12	ug/l	2	11	ug/l	2
1,1-Dichloroethane	1 U	ug/l	1	1 U	ug/l	1	2	ug/l	2	3	ug/l	2
1,2-Dichloroethene (total)	-			-			1 U	ug/l	1	1 U	ug/l	1
Chloroform	1 U	ug/l	1	1 U	ug/l	1	1 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	6 J	ug/l	2	6 J	ug/l	2
1,1,1-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Carbon tetrachloride	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Bromodichloromethane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloropropane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
cis-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Trichloroethene	10	ug/l	2	10	ug/l	2	10	ug/l	2	10	ug/l	2
Dibromochloromethane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
1,1,2-Trichloroethane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Benzene	10	ug/l	2	10	ug/l	2	10	ug/l	2	10	ug/l	2
trans-1,3-Dichloropropene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Bromoform	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
4-Methyl-2-pentanone	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
2-Hexanone	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Tetrachloroethene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Toluene	11	ug/l	2	11	ug/l	2	10	ug/l	2	10	ug/l	2
1,1,2,2-Tetrachloroethane	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Chlorobenzene	10	ug/l	2	10	ug/l	2	10	ug/l	2	10	ug/l	2
Ethylbenzene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Styrene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Xylenes (total)	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
CLP SEMIVOLATILES 90-SOW												
Phenol	38	ug/l	10	62	ug/l	10	50	ug/l	10	51	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	58	ug/l	10	66	ug/l	10	53	ug/l	10	57	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	36	ug/l	10	41	ug/l	10	33	ug/l	10	34	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS				A34FFMSD				C3XDTMS				C3XDTMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4MS				CF8SW4MSD				CF8SW8MS				CF8SW8MSD			
Collect Date:	01-MAR-95				01-MAR-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	33		ug/l	10	38		ug/l	10	34		ug/l	10	35		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	40		ug/l	10	46		ug/l	10	34		ug/l	10	36		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	62		ug/l	10	67		ug/l	10	65		ug/l	10	66		ug/l	10
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	41		ug/l	10	44		ug/l	10	41		ug/l	10	42		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	40		ug/l	25	57		ug/l	25	34		ug/l	25	37		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	45		ug/l	10	46		ug/l	10	38		ug/l	10	40		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	75		ug/l	25	79		ug/l	25	78		ug/l	25	78		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	.6	J	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	54		ug/l	10	57		ug/l	10	44		ug/l	10	46		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	10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- MS/MSD -- ALL FRACTIONS -- REQ. NO. 8104

Lab Sample Number:	A34FFMS				A34FFMSD				C3XDTMS				C3XDTMSD			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8SW4MS				CF8SW4MSD				CF8SW8MS				CF8SW8MSD			
Collect Date:	01-MAR-95				01-MAR-95				06-MAY-96				06-MAY-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	.005	J	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)	.46		ug/l	.1	.4		ug/l	.1	.52		ug/l	.05	.5		ug/l	.05
Heptachlor	.41		ug/l	.1	.44		ug/l	.1	.52		ug/l	.05	.49		ug/l	.05
Aldrin	.46		ug/l	.1	.05	U	ug/l	.05	.47		ug/l	.05	.42		ug/l	.05
Heptachlor epoxide	.05	U	ug/l	.05	.05	U	ug/l	.05	.005	J	ug/l	.05	.004	J	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	.9		ug/l	.2	.89		ug/l	.2	1		ug/l	.1	.98		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	.88		ug/l	.2	.88		ug/l	.2	1.2		ug/l	.1	1.1		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	.013	J	ug/l	.1	.013	J	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	.95		ug/l	.2	.92		ug/l	.2	1.2	J	ug/l	.1	.99	J	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	.014	J	ug/l	.2	.013	J	ug/l	.2	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	U	ug/l	.1	.1	U	ug/l	.1	.02	J	ug/l	.1	.02	J	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 J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8106

Lab Sample Number:	A40VT				A4955				A4730				A4194			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW1ST				CF8MW4ST				CF8MW8IT				CF8MW12ST			
Collect Date:	12-APR-95				27-APR-95				25-APR-95				13-APR-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	33	J	ug/l	2	5		ug/l	2	2	U	ug/l	2	14	J	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8106

Lab Sample Number:	A42CN				A48AL				A42RC				A41X5			
Site	CECIL3				CECIL3				CECIL3				CECIL3			
Locator	CF8MW13ST				CF8MW14IT				CF8MW15DT				CF8MW16ST			
Collect Date:	17-APR-95				26-APR-95				18-APR-95				14-APR-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	3		ug/l	2	2	U	ug/l	2	98	J	ug/l	2
Carbon disulfide	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	R	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1

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

NAS CECIL FIELD -- OPERABLE UNIT 3 / SITE 8 -- WATER
QA/QC SAMPLES -- TRIP BLANKS -- VOLATILES -- REQ. NO. 8106

Lab Sample Number:	A30G9				A34FR				C3XFJ			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SW1T				CF8SW4T				CF8SW8T			
Collect Date:	22-FEB-95				01-MAR-95				06-MAY-96			
	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		ug/l	2	1	U	ug/l	1
Acetone	2	U	ug/l	2	4		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
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

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Section 1.13

Toxicity Analysis of Soil and Sediment Samples From NAS Cecil Field, Site 8

FINAL REPORT

TOXICITY ANALYSIS OF SOIL AND SEDIMENT SAMPLES FROM
NAS CECIL FIELD, JACKSONVILLE, FLORIDA
SITE 8

SUBMITTED TO:

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ESE PROJECT NUMBER:

3195413G-0100-3100

July 1995

EXECUTIVE SUMMARY

Whole sediment toxicity tests were conducted with the freshwater invertebrates, *Hyalella azteca* and *Chironomus tentans*; and soil toxicity tests, with the earthworm *Eisenia foetida*, and the lettuce seed, *Lactuca sativa* on samples collected from Site 8 of NAS Cecil Field, Jacksonville, Florida. The effect criteria for the sediment tests were survival and growth; and that for the soils tests were survival, growth and percent germination. A total of 6 sediments including a reference and a control, and 13 soils including a control were used in the toxicity tests.

After 14 days of exposure, survival and growth of *Hyalella azteca* and *Chironomus tentans* were not different between the control and reference sediment. Survival of *Hyalella azteca* in sediment from sample stations CF8SD3 and CF8SD4 was significantly different from the reference sediment (CF8SD1). Growth of *Hyalella azteca* in the sediment from sample station CF8SD4 was significantly different from the reference sediment. Survival and growth of *Chironomus tentans* exposed to sediment from sample stations CF8SD3, CF8SD4 and CF8SD7 were significantly different from the reference sediment.

After 30 days of exposure, control survival of *Eisenia foetida* was not significantly different from any of the soil samples. However, growth of *E. foetida* in the controls was significantly different than from in soil from sample stations CF8SS13, CF8SS16, CF8SS20, CF8SS21, and CF8SS23. The bioaccumulation potential of the soils in the earthworm tests was determined by freezing the organisms and transporting them to an analytical laboratory for chemical analyses. Germination potential of lettuce seed, *Lactuca sativa*, in the control soil was significantly different from the soil samples from stations CF8SS5, CF8SS6, CF8SS7, CF8SS14, and CF8SS16.

EXECUTIVE SUMMARY

Whole sediment toxicity tests were conducted with the Chesapeake Bay [illegible] and Chlorophyll-a [illegible] and the Sediment Quality Index [illegible] Laboratory's [illegible] collected from the [illegible] Creek, Independence, Florida. The other stations in the sediment were survival and growth, and the [illegible] tests were survival, growth and [illegible]. Nineteen of [illegible] including [illegible] and [illegible] and 13 were including a control were used in the [illegible] tests.

[illegible] of days of exposure, survival and growth of [illegible] and [illegible] were not different between the control and [illegible] sediment. Survival of [illegible] sediment from sample station [illegible] and [illegible] was significantly different from the [illegible] sediment [illegible]. Growth of [illegible] exposed to sediment from sample station [illegible] was significantly different from the [illegible] sediment. Survival and growth of [illegible] exposed to sediment from sample stations [illegible] and [illegible] were significantly different from the sediment control.

After 28 days of exposure, overall survival of [illegible] was not significantly different from any of the sediments. The overall growth of [illegible] was significantly different from the [illegible] sediment samples [illegible], [illegible], and [illegible]. The bioaccumulation potential of the sediments for the [illegible] was determined by measuring the organics and measuring them in an analytical laboratory for [illegible] analysis. Concentrations greater of [illegible] and [illegible] were found in the control soil was significantly different from the soil samples from stations [illegible], [illegible], [illegible], and [illegible].

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Appendix A: Chain-of-Custody

Appendix B: Sediment Tox Raw Data

Appendix C: Soil Tox Raw Data

1.0 INTRODUCTION

Whole sediment and soil bioassays were conducted on samples collected from NAS Cecil Field, Jacksonville, Florida, to determine the potential toxicity of the test samples. Test organisms used for sediment toxicity tests were the freshwater invertebrates, *Hyalella azteca* and *Chironomus tentans*, and test organisms used for soil toxicity tests were the earthworm, *Eisenia foetida*, and lettuce seed, *Lactuca sativa* (Buttercrunch variety), ~~were used for the soil tests.~~

Sediment bioassays were conducted following ASTM E 1383-94 guidelines entitled *Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates*; and soil bioassays were conducted in accordance with the U.S. Environmental Protection Agency methods and protocols entitled *Protocols for Short Term Toxicity Screening of Hazardous Waste Sites* (EPA/600/3-88/029, July 1988). All raw data related to this study are maintained at Environmental Science & Engineering, Inc., (ESE), 14220 Newberry Road, Gainesville, Florida.

2.0 SAMPLE RECEIPT

Test soils and sediments, including a reference sediment from an uncontaminated site, collected between February 19 and 22, 1995, were received on ice at the ESE Gainesville office between February 21 and 23, 1995. Test sediments and soils were received in quantities of ~10-11 kilograms each. Approximately 25 L of control sediment were collected by ESE personnel for the whole sediment bioassays. The site from which the control sediment was collected, Marineland, Florida, has proven to be uncontaminated in previous tests. Control soil for the earthworm bioassays was artificial soil comprised of 10% sphagnum peat (Alachua County Feed and Seed Store, Gainesville, FL), 20% kaolinite clay, and 70% grade 70 silica sand (both from Feldspar Corporation, Edgar, FL). Control soil for the lettuce seed test was 20-mesh silica sand obtained from Feldspar Corporation, Edgar, FL. Chain-of-custody and other documentation are presented in Appendix A. All sediment and soil samples were stored in a refrigerator at 4 ± 2 °C during the testing period.

3.0 WHOLE SEDIMENT BIOASSAY PROCEDURES

3.1 TEST ORGANISMS

Whole sediment bioassays were conducted using juvenile (second or third instar) *H. azteca* and second instar *C. tentans*. *H. azteca* (2-3 mm in length) were obtained from Chesapeake Cultures (Hayes, VA) and *C. tentans* (second instar) were obtained from Environmental Consulting & Testing (Superior, WI). The suppliers' breeding and holding conditions, such as temperature and water hardness, were similar to those of the testing conditions so organisms were held <24 hours prior to test initiation and acclimated to any differences in water chemistry by diluting the receiving water with test dilution waters to 50 percent of receiving water.

3.2 TEST DESIGN

Prior to use in the tests, sediment samples were individually sieved using a 1 mm Nytex screen to homogenize the samples and remove any large debris or indigenous organisms. No water was added to aid in sieving. Approximately 200 grams of test, reference, or control sediment were introduced to the test chambers and leveled uniformly. Test chambers were approximately 2 liter glass jars (23 cm height and 13 cm diameter). Overlying reconstituted freshwater (800 mL) was added to achieve a ratio of 1 part sediment to 4 parts overlying water and the test overlying water was aerated overnight in each test chamber. Water quality measurements were taken and the test organisms were indiscriminately added to the test chambers. Whole sediment tests were conducted using four replicates of twenty *H. azteca* and four replicates of fifteen *C. tentans*, for a total of 80 *H. azteca* and 60 *C. tentans* per sample.

The whole sediment tests were 14-day static renewal tests, with the *H. azteca* test being renewed twice weekly and the *C. tentans* test being renewed once weekly. During renewals, approximately 50 percent of the overlying water was siphoned through a 0.5 mm mesh sieve. Any test organisms trapped on the sieve were pipetted back into the appropriate test chamber.

New dilution water was then slowly siphoned into the test chamber while diverting the flow onto the side of the test chamber to prevent or minimize resuspension of the sediments. Dilution water for *H. azteca* was hard reconstituted water with a hardness of approximately 132 mg/L as $CaCO_3$; and dilution water for *C. tentans* was moderately hard reconstituted water with a hardness of approximately 75 mg/L as $CaCO_3$. *H. azteca* were fed 0.2 mL of a rabbit chow (Alachua County Feed and Seed Store, Gainesville, FL) solution twice a week following renewals and *C. tentans* were fed a 1:6 ratio (5 mg: 30 mg) of Tetramin (That Fish Place, Lancaster, PA) and Cereal leaves (Sigma Chemical Company, St. Louis, MO) weekly following renewals.

The tests were conducted in a waterbath adjusted to maintain a temperature of 20 ± 2 °C and a daily photoperiod of 16 hours light (590 Lux) and 8 hours of dark. All test chambers were aerated at approximately 40 bubbles per minute (bpm). Temperature, pH, and dissolved oxygen concentrations (DO), were measured daily. On renewal days, water quality parameters (temperature, pH, DO, and conductivity) were measured prior to and immediately following overlying water renewal. Water quality measurements were taken with the following instruments: temperature--Fisher Scientific digital thermocouple; pH--SA 290 Orion pH meter with an Orion 91-57 triode; dissolved oxygen--YSI, Model 57 DO meter; and conductivity--YSI, Model 33 SCT conductivity meter.

The test chambers were observed daily for behavioral changes including entrapment at surface of overlying water, reproductive behavior, and organism emergence. The effect criteria for the tests were mortality and growth, as dry weight and/or length. On day 14, the overlying water was swirled and then poured through a 0.5 mm Nytex screen to collect and count the test organisms. If all organisms were not immediately found, the remaining sediment was poured onto a screen or a glass pan for further observation. Growth, as group dry weight, was measured for both species by placing the organisms in aluminum weigh pans and drying the pans in an

oven at 70 °C for 24 hours. Individual lengths of *H. azteca* were also measured at test termination.

4.0 SOIL BIOASSAY PROCEDURES

4.1 TEST ORGANISMS

The earthworm, *E. foetida*, and the lettuce seed, *L. sativa* were used for the soil bioassays. *E. foetida* were obtained from Aquatic Research Organisms (Hampton, NH) and *L. sativa* were obtained from Alachua County Feed and Seed Store (Gainesville, FL). *E. foetida* were > 60 day old adults, each weighing at least 300 mg, and exhibiting clitella. *L. sativa* seeds were of the Buttercrunch variety. The seeds (Lot # 48.1800-31642), supplied by Bakker Brothers of Idaho, Inc., were not treated with fungicides or repellents. According to records provided by the supplier, the seeds had a germination rate of 99.0% (January 1995). The suppliers' breeding and holding conditions were similar to those of the testing conditions therefore organisms were held <24 hours prior to test initiation.

4.2 DETERMINATION OF THE MOISTURE FRACTION, WATER HOLDING CAPACITY AND HYDRATION OF THE SOIL SAMPLES

4.2.1 Moisture Fraction Determination

Upon receipt of soil samples, a 10 gram subsample of each soil was removed from the receiving container and placed in a preweighed, numbered aluminum pan. The subsample was dried in a Blue-M oven at 100 °C for approximately 24 hours. The final dry weight (x) was subtracted from the initial wet weight (y) of the subsample and divided by the subsample weight (10 grams) to obtain the moisture fraction of the soil subsample (equation: y-x grams / 10 grams).

4.2.2 Water Holding Capacity

The 10 gram samples dried for moisture fraction determination were placed in a 250 mL beaker, and 10 mL of deionized water were added and mixed into a slurry. A crepe paper filter, folded into quarters, was placed in a plastic funnel and evenly hydrated with 0.9 mL of deionized water. The weight of the funnel and hydrated paper was measured (x grams). The funnel was then set on a beaker and the soil slurry poured into the funnel; a minimal amount of deionized water was used to lightly rinse out the beaker. An aluminum cover was placed over the funnel and the system was allowed to drain for 3 hours at room temperature. The final weight of the funnel was measured (y grams) and the water holding capacity was determined (equation: x grams - y grams).

4.2.3 Hydration of Soil Samples

Test soils for the earthworm were hydrated to 75 percent of water holding capacity, and those for the lettuce seed tests were hydrated to 85 percent of water holding capacity. The amount of deionized water added to each individual test soil was determined according to the following equation:

Hydration water to be added (mL/100 g) = THW - EHW

THW (total hydration water desired, mL/100 g) =
PHYD x [(PAS x WHC_{as} + (PWS x WHC_{ts})]

EHW (existing hydration water, mL/100 g) =
[(PAS x MF_{as}) + (PWS x MF_{ts})] x 100

where PHYD = proportion of hydration required (eg. 0.75)
PAS = proportion of artificial soil in test soil (eg. 0.5)
WHC_{as} = water holding capacity of the artificial soil in mL/100 g
PWS = proportion of waste sample (dilution) in the test soil
WHC_{ts} = water holding capacity of the test sample in mL/100 g
MF_{as} = moisture fraction of the artificial soil
MF_{ts} = moisture fraction of the test sample

Soil samples with excess moisture content were allowed to dry overnight at room temperature.

4.3 *EISENIA FOETIDA* SOIL TEST DESIGN

E. foetida tests were 30-day toxicity and bioaccumulation tests with no dilutions. Approximately 200 grams of thoroughly homogenized soil, hydrated to 75 percent of water holding capacity, were placed into each of four replicate chambers. Test chambers were 1 pint glass canning jars with two airholes punched into the lid to allow for gas exchange. Ten worms were randomly loaded on top of each soil and the lid was placed on the jar. The worms were then observed to assure that they all burrowed beneath the soil. The test was conducted at room temperature, 20 ± 2 °C, with a daily photoperiod of continuous light (1000 lux). Temperature was measured continuously by placing the probe of a Supco continuous temperature monitor into a replicate jar containing 200 grams of hydrated control soil. The soil pH was measured on day 0 and day 28 by evenly mixing 5 grams of test or control soil with 25 grams of deionized water. The pH was measured using an Orion SA 290 pH meter with an Orion 91-57 triode.

At 7-day intervals, each replicate chamber was emptied into a glass pan to observe the test organisms. The worms were counted and observed for hemorrhaging, swelling, and elongation; the presence of eggs and/or young was also noted. The soil was rehydrated if necessary, returned to the test chamber, and the worms reloaded on top of the soil. Test organisms were not fed during the initial 13 days of testing, however, on days 14 and 21, approximately 3 grams of aged, ground alfalfa pellets (Alachua County Feed and Seed Store, Gainesville, FL) were added to each replicate test and control chamber following observation of the test organisms. On day 30, all organisms were removed from the test chambers, observed, counted, and weighed. The organisms were rinsed with deionized water, blotted dry, and their replicate group wet weights were measured.

The earthworms were prepared for shipment to the analytical laboratory for chemical analyses. Test organisms from each replicate chamber were placed in a separate Ziploc® bag, labeled with the sample identification number, date, sponsor's name and replicate letter. The test organisms

were stored frozen at -10 °C until shipment. All samples were shipped on dry ice in coolers by overnight courier to: Quanterra Inc., 4101 Shuffle Drive N.W., North Canton, OH.

4.4 *LACTUCA SATIVA* SOIL TEST DESIGN

Lactuca sativa tests were 120-hour static whole soil germination tests with no dilutions. Approximately, 100 grams of the homogenized test or control soil (20-mesh, washed silica sand Feldspar Corporation, Edgar, FL) hydrated to 85 percent of the water holding capacity, were placed in each of the four replicate chambers. Test chambers comprised of 150 x 20 mm glass petri dishes. Forty seeds were added to each replicate dish, spacing seeds at least 0.5 inches from the side of the dish. The seeds were lightly pressed into the soil with the bottom of a clean beaker. Ninety grams of a 16-mesh cover sand were spread over the seeds and hydrated test soil. Each petri dish was placed in the bottom of a 30 x 30 cm plastic Ziploc® bag and the bags were sealed leaving as much air space as possible.

The initial 48-hours of the seed germination test was conducted in complete darkness, the final 72 hours were conducted under a photoperiod of 16 hours of light (4000 lux), 8 hours of dark. The test was conducted in an isolated room to maintain a daily temperature of 24 ± 2 °C. The temperature was measured continuously throughout the test by placing the probe of a Supco continuous temperature monitor into a replicate petri dish containing control soil. The soil pH was measured on day 0 and day 5 by evenly mixing 5 grams of test or control soil with 25 mL of deionized water. The pH was measured using a SA 290 Orion pH meter with an Orion 91-57 triode. The number of seeds that germinated were counted at test termination. Any seedling that protruded above the soil was counted as a germinated seed.

5.0 STATISTICAL ANALYSIS

All bioassay data were evaluated by a statistical comparison of mean survival, growth or germination in the test samples with the reference or control samples using appropriate statistical

procedures. Analysis of variance followed by the Duncan's Multiple Range Test (Snedecor and Cochran, 1980) and Dunnett's t-test (EPA/600/4-89/001) were used to determine statistical significance. Data were first checked for normality and homogeneity of variance using Shapiro-Wilk's and Bartlett's tests, respectively. If either of these assumptions were not met, data was transformed using a square-root arcsine transformation and checked for normality and homogeneity of variance prior to statistical analysis.

6.0 RESULTS AND DISCUSSION

6.1 WHOLE SEDIMENT BIOASSAYS

A summary of all the biological endpoint data for Site 8 of NAS Cecil Field, Jacksonville, Florida, are presented in Table 1. Data for the exposure water quality parameters are presented in Table 2. Test conditions, including lighting, hardness, alkalinity, conductivity, temperature, and pH levels remained at acceptable levels throughout the testing period. The ranges are presented in Table 2. Dissolved oxygen levels in one replicate of the reference sediment (CF8SD1) fell below criteria of 4.0 mg/L, to 2.3 mg/L on day 8 in the *C. tentans* test due to a displaced airline. However, this was not deemed serious enough to influence the final results. Light intensity of the test area was measured to be 590 Lux. Complete laboratory data are provided in Appendix B for *H. azteca* and *C. tentans*.

Behavioral observations monitored included organism emergence from the sediments and at the surface of the overlying water possibly due to toxicity, and amplexus (reproductive behavior of *H. azteca*) at the end of the 14-day exposure. Survival and growth data of the whole sediment bioassays with *H. azteca* and *C.tentans*, are presented in Tables 3 and 4, respectively. Control survival was 95% for both *H. azteca* and *C. tentans*. Statistical comparison of the control sediments with the reference sediment, CF8SD1, demonstrated no significant difference for both species, therefore, survival and growth in the test samples were compared to that of the

reference sediment.

Survival of *H. azteca* was significantly ($p \leq 0.05$) different in sediment from station CF8SD3 and CF8SD4, and growth, as length and weight, was significantly ($p \leq 0.05$) different in station CF8SD4 (Table 3). Survival and growth for *C. tentans* were significantly ($p \leq 0.05$) different in sediment from stations CF8SD3, CF8SD4, and CF8SD7 (Table 4).

6.2 SOIL BIOASSAYS

Soil temperature and pH remained within acceptable ranges throughout the duration of the soil bioassays. Soil pH ranged from 4.5 to 8.6 throughout the duration of the earthworm and lettuce seed toxicity tests (Table 5). Soil temperature for the *E. foetida* tests ranged from 19 to 22 °C and that of the *L. sativa* test remained at 24 °C throughout the duration of the test. Due to equipment malfunction, the temperature of the earthworm test exceeded criteria of 20 ± 2 °C by 2 °C to 24 °C for approximately 24 hours. The malfunction was corrected and the deviation in temperature was not deemed severe enough to affect the conditions of the test organisms. Light intensity averaged 1,000 and 4,000 Lux for the *E. foetida* and *L. sativa* exposures, respectively.

Behavioral observations included egg and young production in the *E. foetida* exposure vessels. The presence of young and eggs produced were not quantitated. Survival, growth, and germination data of the soil bioassays with *E. foetida* and *L. sativa* are presented in Table 6. Survival of *E. foetida* was 100% in the control soil and germination of *L. sativa* was 99% in the control. Survival, growth and germination in the test samples were compared to those of the control soils, since no reference sample was identified for the soil tests. Survival for *E. foetida* was not significantly ($p \leq 0.05$) different from the control, in any of the tested soil samples, however, growth was significantly ($p \leq 0.05$) less in stations CF8SS13, CF8SS16, CF8SS20, CF8SS21, and CF8SS23 as compared to the control. Germination of *L. sativa* was significantly

($p \leq 0.05$) less than the control in soils from stations CF8SS5, CF8SS6, CF8SS7, CF8SS14, and CF8SS16.

7.0 CONCLUSION

The whole-sediment bioassay results indicate that *H. azteca* survival in sediment from sample stations CF8SD3 and CF8SD4 were significantly ($p \leq 0.05$) different from the reference sediment. Growth of *H. azteca* in sediment from station CF8SD4 was significantly ($p \leq 0.05$) different from the reference sediment. The whole-sediment bioassay results also indicate that *C. tentans* survival and growth in sediments from sample stations CF8SD3, CF8SD4, and CF8SD7 were significantly ($p \leq 0.05$) different than in the reference sediment.

The soil bioassay test results indicate survival of *E. foetida* in the controls was not significantly ($p \leq 0.05$) different from that of the soil samples. However, growth, as mean wet weight, was significantly ($p \leq 0.05$) different in soils from stations CF8SS13, CF8SS16, CF8SS20, CF8SS21, and CF8SS23 from the control soil. Seed germination of *L. sativa* was significantly ($p \leq 0.05$) different in soils from stations CF8SS5, CF8SS6, CF8SS7, CF8SS14, and CF8SS16 from the control soil.

8.0 REFERENCES

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Table 1. Summary of Whole Soil and Sediment Bioassays Conducted with Samples from Site 8, Cecil Field, Jacksonville, Florida

CECIL FIELD (SITE 8): SOIL BIOASSAY RESULTS			
STATION NUMBER	*L. sativa* % Germination	*E. foetida* % Survival	*E. Foetida* Mean Growth
CONTROL	99	100	6.21
CF8SS4	88	100	6.08
CF8SS5	29*	100	5.58
CF8SS6	81*	100	5.64
CF8SS7	85*	100	5.60
CF8SS9	98	100	5.93
CF8SS13	96	100	5.34*
CF8SS14	66*	100	5.93
CF8SS16	45*	100	5.08*
CF8SS20	94	100	5.43*
CF8SS21	96	100	5.34*
CF8SS22	99	100	5.73
CF8SS23	100	100	4.87*

Note: Growth of *E. foetida*, as group wet weight, is expressed in grams.
*significantly different from the control

CECIL FIELD (SITE 8): SEDIMENT BIOASSAY RESULTS					
STATION NUMBER	*CHIRONOMUS* SURVIVAL	*CHIRONOMUS* MEAN GROWTH:WT	*HYALELLA* SURVIVAL	*HYALELLA* MEAN GROWTH:WT	*HYALELLA* MEAN GROWTH:LN
CONTROL	95%	1.99 g	95%	0.21	3.4 mm
CF8SD1	88%	1.98 g	96%	0.33	3.4 mm
CF8SD2	98%	2.69 g	100%	0.25	3.2 mm
CF8SD3	48%*	0.89 g*	54%*	0.31	3.3 mm
CF8SD4	48%*	0.31 g*	10%*	0.13*	2.8 mm*
CF8SD7	33%*	0.27 g*	98%	0.27	3.3 mm

Note: Growth of *H. azteca*, as group dry weight, is expressed as milligrams per organism.
WT = Weight; LN = Length
*significantly different from the reference sediment (CF8SD1). Source: ESE, 1995

Table 2. Water Quality Measurement Ranges for Sediment Tests Conducted with *Hyalella azteca* and *Chironomus tentans* After 14 Days of Exposure to Whole Sediments Collected from NAS Cecil Field, Jacksonville, Florida

Hyalella azteca				
Sample	Temp (°C)	pH (s.u.)	DO (mg/L)	Cond. (μmhos/cm)
Control	19.0 - 20.1	7.4 - 8.2	7.5 - 9.0	250 - 285
CF8SD1	19.0 - 20.2	7.4 - 8.2	7.6 - 9.0	200 - 250
CF8SD2	19.0 - 20.1	7.4 - 8.3	7.6 - 9.0	190 - 248
CF8SD3	19.0 - 20.1	7.3 - 8.2	7.5 - 9.0	190 - 245
CF8SD4	19.0 - 20.1	7.1 - 8.1	7.7 - 9.0	172 - 240
CF8SD7	19.0 - 20.2	7.3 - 8.2	7.6 - 9.0	200 - 242

Chironomus tentans				
Sample	Temp (°C)	pH (s.u.)	DO (mg/L)	Cond. (μmhos/cm)
Control	19.0 - 20.3	6.7 - 8.4	7.2 - 9.0	240 - 300
CF8SD1	19.0 - 20.1	6.8 - 8.3	2.3 - 9.0	220 - 255
CF8SD2	19.0 - 20.2	6.9 - 8.2	6.8 - 9.0	215 - 250
CF8SD3	19.0 - 20.1	6.9 - 8.1	7.5 - 8.9	220 - 255
CF8SD4	19.0 - 20.1	6.9 - 8.0	7.5 - 8.9	220 - 240
CF8SD7	19.0 - 20.1	6.9 - 7.9	7.5 - 8.9	230 - 250

Source: ESE, 1995.

Table 3. Survival and Growth of *Hyalella azteca* After 14 Days of Exposure to Whole Sediments Collected from NAS Cecil Field, Jacksonville, Florida

Sample	Replicate[a]	No. Alive (% Survival)	Growth/weight (mg/organism)	Growth/length (mm)
Control	A	18	0.23	3.7
	B	18	0.24	3.1
	C	20	0.18	3.3
	D	20	0.18	3.3
		76 (95%)	0.21[b]	3.4[b]
_CF8SD1	A	20	0.36	3.5
	B	19	0.28	3.2
	C	19	0.36	3.4
	D	19	0.31	3.6
		77 (96%)	0.33[b]	3.4[b]
CF8SD2	A	20	0.23	3.0
	B	20	0.25	3.1
	C	20	0.23	3.5
	D	20	0.27	3.1
		80 (100%)	0.25[b]	3.2[b]
CF8SD3	A	8	0.25	3.0
	B	14	0.31	3.4
	C	11	0.27	3.7
	D	10	0.42	3.2
		43 (54%)*	0.31[b]	3.3[b]
_CF8SD4	A	3	0.07	3.2
	B	1	0.20	3.0
	C	1	0.10	2.5
	D	3	0.13	2.4
		8 (10%)*	0.13[b]*	2.8[b]*
CF8SD7	A	20	0.34	3.3
	B	20	0.32	3.4
	C	19	0.25	3.4
	D	19	0.18	3.2
		78 (98%)	0.27[b]	3.3[b]

[a]Twenty organisms exposed per replicate
[b]Total mean growth of *H. azteca* (A+B+C+D/4)
* = Significantly different than reference (CF8SD1)

Source: ESE 1995.

Table 4. Survival and Growth of *Chironomus tentans* After 14 Days of Exposure to Whole Sediments Collected from NAS Cecil Field, Jacksonville, Florida

Sample	Replicate[a]	No. Alive (% Survival)	Growth/weight (mg/organism)
Control	A	15	2.59
	B	15	1.85
	C	15	2.04
	D	12	1.48
		57 (95%)	1.99[b]
CF8SD1	A	10	2.16
	B	15	1.75
	C	13	2.00
	D	15	1.99
		53 (88%)	1.98[b]
CF8SD2	A	14	3.56
	B	15	2.57
	C	15	1.99
	D	15	2.65
		59 (98%)	2.69[b]
CF8SD3	A	11	1.49
	B	9	0.93
	C	4	0.63
	D	5	0.50
		29 (48%)*	0.89[b]*
CF8SD4	A	3	0.37
	B	11	0.37
	C	10	0.17
	D	5	0.34
		29 (48%)*	0.31[b]*
CF8SD7	A	4	0.33
	B	4	0.23
	C	6	0.23
	D	6	0.28
		20 (33%)*	0.27[b]*

[a]Fifteen organisms exposed per replicate
[b]Total mean growth of *C. tentans* (A+B+C+D/4)
* = Significantly different than reference (CF8SD1)

Source: ESE 1995.

Table 5. pH of Whole Soil Samples Collected from NAS Cecil Field, Jacksonville, Florida for *Eisenia foetida* and *Lactuca sativa* Soil Toxicity Tests

	Eisenia foetida		*Lactuca sativa*	
Station	Day 0	Day 28	Day 0	Day 5
Control	7.0	5.9	7.0	6.1
CF8SS4	6.0	6.3	6.0	6.1
CF8SS5	6.1	6.8	6.1	7.7
CF8SS6	5.3	6.9	5.3	5.9
CF8SS7	6.0	6.8	6.0	6.4
CF8SS9	6.1	6.8	6.1	6.8
CF8SS13	8.0	7.7	8.0	8.1
CF8SS14	8.6	8.1	8.6	7.9
CF8SS16	7.5	8.0	7.5	6.6
CF8SS20	7.8	7.9	7.8	6.2
CF8SS21	6.6	7.5	6.6	6.3
CF8SS22	7.1	6.8	7.1	5.3
CF8SS23	4.5	7.3	4.5	6.2

Source: ESE, 1995.

Table 6. Survival and Growth of *Eisenia foetida* After 28 Days of Exposure, and Percent Germination of *Lactuca sativa* After 120 Hours of Exposure to Whole Soil Samples Collected from NAS Cecil Field, Jacksonville, Florida (page 1 of 3)

Sample	Replicate	*E. foetida* No. Alive (% Survival)[a]	*E.foetida* Growth[a]	*L. sativa* Germination[b]
Control	A	10	6.36	40
	B	10	5.75	40
	C	10	6.27	40
	D	10	6.47	39
		40 (100%)	6.21[c]	159 (99%)
CF8SS4	A	10	5.91	34
	B	10	6.04	37
	C	10	6.06	34
	D	10	6.30	36
		40 (100%)	6.08[c]	141 (88%)
CF8SS5	A	10	4.72	6
	B	10	5.55	18
	C	10	5.98	18
	D	10	6.05	5
		40 (100%)	5.58[c]	47 (29%)*
CF8SS6	A	10	5.78	37
	B	10	5.91	31
	C	10	5.15	28
	D	10	5.71	34
		40 (100%)	5.64[c]	130 (81%)*
CF8SS7	A	10	5.67	36
	B	10	5.87	32
	C	10	5.55	32
	D	10	5.29	36
		40 (100%)	5.60[c]	136 (85%)*

[a]Group wet weight (10 organisms per replicate) is expressed in grams
[b]Forty seeds exposed per replicate
[c]Total mean growth
* = Significantly different than control

Source: ESE 1995.

Table 6. Survival and Growth of *Eisenia foetida* After 28 Days of Exposure, and Percent Germination of *Lactuca sativa* After 120 Hours of Exposure to Whole Soil Samples Collected from NAS Cecil Field, Jacksonville, Florida (page 2 of 3)

Sample	Replicate	*E. foetida* No. Alive (% Survival)[a]	*E.foetida* Growth[a]	*L. sativa* Germination[b]
CF8SS9	A	10	6.00	39
	B	10	6.29	40
	C	10	5.53	40
	D	10	5.90	37
		40 (100%)	5.93[c]	156 (98%)
CF8SS13	A	10	5.30	38
	B	10	6.04	38
	C	10	5.34	40
	D	10	4.69	37
		40 (100%)	5.34[c]*	153 (96%)
CF8SS14	A	10	5.85	24
	B	10	5.64	29
	C	10	5.84	27
	D	10	6.40	26
		40 (100%)	5.93[c]	106 (66%)*
CF8SS16	A	10	5.70	15
	B	10	4.66	25
	C	10	5.57	17
	D	10	4.40	15
		40 (100%)	5.08[c]*	72 (45%)*
CF8SS20	A	10	4.96	40
	B	10	6.50	35
	C	10	4.98	39
	D	10	5.27	36
		40 (100%)	5.43[c]*	150 (94%)

[a]Group wet weight (10 organisms per replicate) is expressed in grams
[b]Forty seeds exposed per replicate
[c]Total mean growth
* = Significantly different than control

Source: ESE 1995.

Table 6. Survival and Growth of *Eisenia foetida* After 28 Days of Exposure, and Percent Germination of *Lactuca sativa* After 120 hours of Exposure to Whole Soil Samples Collected from NAS Cecil Field, Jacksonville, Florida (page 3 of 3)

Sample	Replicate	*E. foetida* No. Alive (% Survival)[a]	*E.foetida* Growth[a]	*L. sativa* Germination[b]
CF8SS21	A	10	5.59	38
	B	10	5.07	40
	C	10	5.59	37
	D	10	4.75	39
		40 (100%)	5.25[c]*	154 (96%)
CF8SS22	A	10	5.44	39
	B	10	6.50	39
	C	10	5.81	40
	D	10	5.17	40
		40 (100%)	5.73[c]	158 (99%)
CF8SS23	A	10	5.03	40
	B	10	5.10	40
	C	10	4.60	40
	D	10	4.73	40
		40 (100%)	4.87[c]*	160 (100%)

[a]Group wet weight (10 organisms per replicate) is expressed in grams
[b]Forty seeds exposed per replicate
[c]Total mean growth
* = Significantly different than control

Source: ESE 1995.

Table 6. [illegible] Concentration Factors Stored after 28 Days of Exposure, and Percent Contribution of Individual Cores to Mean CF Cores of 5 Species of Marine Fish Samples Collected from NAS [illegible] (Page 1 of 3)

Sample	Replicate	CF (mg/kg) (Wet Weight)	% Partition (Dry Weight)	% Partition (Homogenate)
C18B3S1	A	30	3.49	38
	B	30	3.05	30
	C	10	3.40	32
	D	20	[illegible]	20
		40 (100%)	3.[illegible]	124 (100%)
C18B3S2	A	10	[illegible]	38
	B	10	0.99	38
	C	10	3.04	40
	D	20	[illegible]	40
		40 (100%)	[illegible]	158 (100%)
C18B3S3	A	10	3.03	40
	B	10	3.13	40
	C	10	4.00	40
	D	10	4.23	40
		40 (100%)	3.[illegible]	160 (100%)

Dosage was weight (in micrograms per applicator) is converted to grams.
Fish are 4.5 inches per medium.
[illegible] are [illegible]
[illegible] Statistically significant [illegible] [illegible]

Source: [illegible]

CHAPTER 2.0

CONFIRMATORY SAMPLING RATIONALE

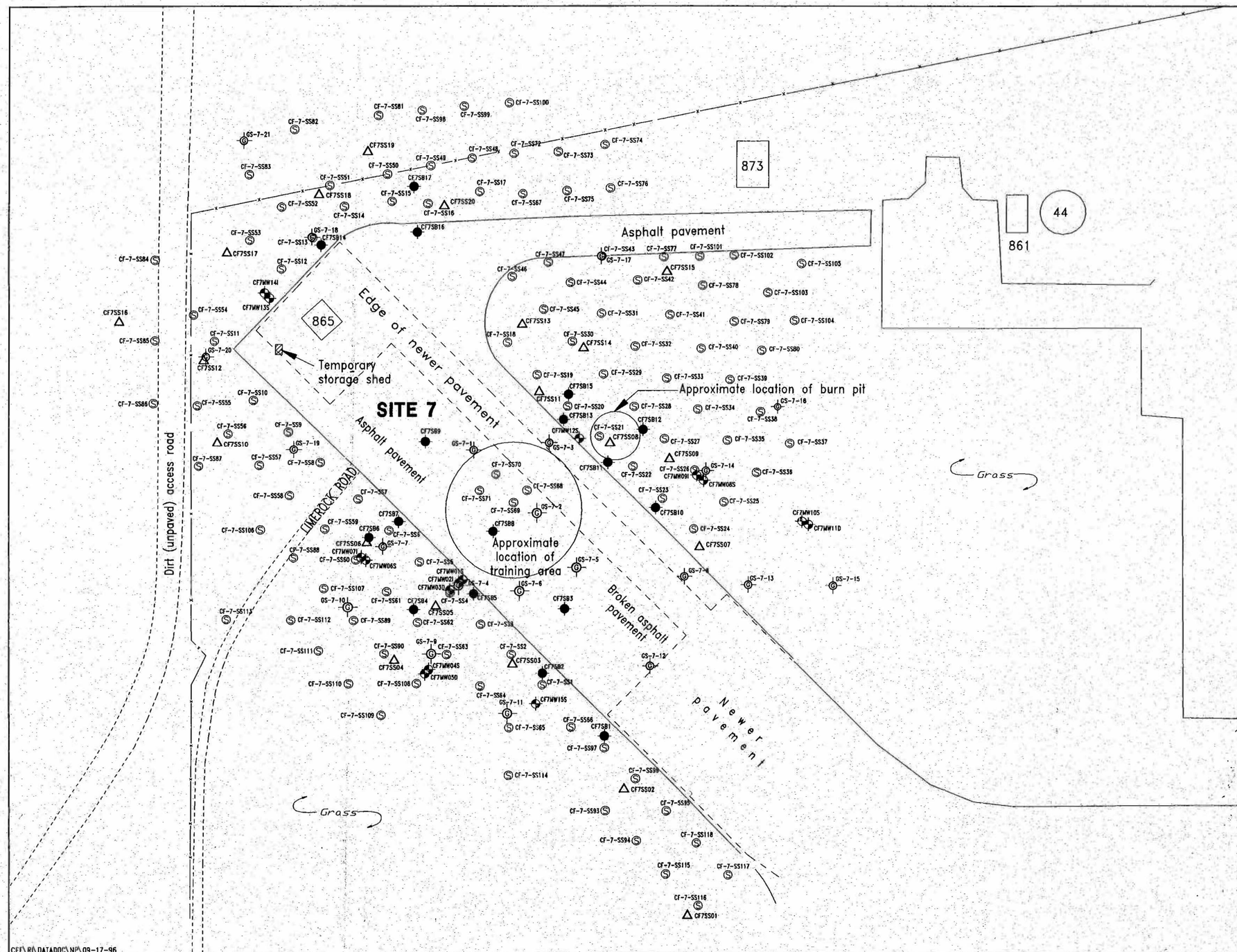
Site 7, Old Fire Fighting Training Area

Site 7 is a former fire training area. The site is located at the end of the old 310 flightline, northwest of the east/west taxiway (see the location figure). Part of the area is asphalt, some of which is broken and cracked. Contamination has been detected in soil adjacent to the flightline and taxiway.

Surface soil contaminants, as indicated by field screening, include lead (1,010 mg/kg to 10.7 mg/kg), total recoverable petroleum hydrocarbons (TRPH) (1,000 mg/kg to 2.8 mg/kg), and polynuclear aromatic hydrocarbons (PAH) (10.2 mg/kg to 0.02 mg/kg). Surface soil contamination occurs in 4 distinct areas, the burn area, and areas parallel to the flightline.

Subsurface soil contaminants include toluene, ethyl benzene, total xylenes, and chlorobenzene (totaled, their range is 135 mg/kg to < 1 mg/kg), naphthalene (concentration range undetermined), PAH (91 to 1 mg/kg, TRPH (2,400 to 12 mg/kg) and lead (390 to 12 mg/kg). Most contamination exists in unpaved parts of the burn area. One large contaminated area is north of flightline. Contamination is found from land surface to water table, which is 6.5 to 7 ft bls. TRPH is the most widespread contaminant.

Groundwater contaminants include benzene (9.4 $\mu g/\ell$, being the max.), ethyl benzene (125 to 6.7 $\mu g/\ell$), total xylenes (1,060 $\mu g/\ell$ to 18 $\mu g/\ell$), naphthalene (550 to 11 $\mu g/\ell$) and TRPH (1.7 to 1.2 mg/ℓ).



LEGEND

CF-7-SS35	Surface soil screening sample locations with designation
×——×	Fence
CF7MW11D	Monitoring well location and designation
CF7SB12	Subsurface soil sampling location and designation
CF7SS10	Surface soil sampling location and designation (0 to 1 foot below land surface)
GS-7-15	Groundwater sample location with designation

NOTE:

Sample locations CF-7-SS91 and CF-7-SS92 could not be located during the site survey.

0 60 120

SCALE: 1 INCH = 120 FEET

FIGURE 2-1

SITE 7, SCREENING AND CONFIRMATORY SAMPLE LOCATIONS, ALL MEDIA

DATA DOCUMENT
OPERABLE UNIT 3

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

I. Site 7, Proposed Surface Soil Sample Locations

All samples will be collected from 0 to 1 ft below land surface.

Sample	Justification
CF7SS01	Delineation sample: Approximately 420 feet southeast of burn area and near the flightline. Sample is to be collected a few feet south to southeast of field screening location CEF-7-SS-116. Sample location is south of an area where TRPH and lead are greater than 50 milligrams per kilogram (mg/kg). The southern extent of the area has not been defined.
CF7SS02	Characterization: Sample located at or near field screening location CEF-7-SS-96, approximately 200 feet southeast of the burn area. Sample location is where TRPH and lead are greater than 50 milligrams per kilogram (mg/kg) and PAH is greater than 6 mg/kg.
CF7SS03	Delineation sample: Location is at or near southern extent of burn area contamination and adjacent to the flightline.
CF7SS04	Delineation sample: Sample near southwest edge of burn area, where contamination was indicated by field screening. Sample is approximately 100 feet southwest of broken asphalt area of flightline.
CF7SS05	Characterization sample: Sample in burn area, at or near field screening location CEF-7-SS-04, where greatest concentration of contaminants was indicated by field screening.
CF7SS06	Delineation sample: Sample near northwestern extent of burn area and approximately 50 feet southwest of the flightline.
CF7SS07	Characterization sample: In the vicinity of field screening location CEF-7-SS-24, located on the northeast side of the flightline. Field screening indicates this area is clean and just southeast of an area of contamination. Confirmation results should support these data.
CF7SS08	Characterization sample: Sample location on northeast side of flightline in the vicinity of field screening location CEF-7-SS-21, where TRPH and lead were the greatest in this part of the site.

I. Site 7, Proposed Surface Soil Sample Locations (Continued)

Sample	Justification
CF7SS09	Delineation sample: Sample location is approximately 75 feet east of CF7SS08 and near the extent of an area where TRPH and lead concentrations are greater than 50 mg/kg.
CF7SS10	Characterization sample: Sample location near field screening location CEF-7-SS-56, where TRPH and lead are greater than 50 mg/kg. Sample location is approximately 100 feet south to southwest of end of flightline and 290 feet northwest of the burn area.
CF7SS11	Characterization sample: Sample location is located on the northeastern side of the flightline between the burn area and a contaminated area at the flightline and taxiway junction. Field screening results indicate this area is clean. Sample to be located approximately 100 feet northeast of CF7SS08. Purpose of sample is to verify the area is clean and to separate the two contaminated areas.
CF7SS12	Characterization sample: Approximately 30 feet from the northwest corner of the flightline in an area where TRPH and lead were greater than 50 mg/kg.
CF7SS13	Characterization sample: Sample located at the junction of the flightline and taxiway in an area where TRPH and lead were greater than 50 mg/kg. Sample location is approximately 90 feet north to northwest of CF7SS11.
CF7SS14	Delineation sample: Sample located approximately 70 feet east to southeast of CF7SS13 and just outside an area where TRPH and lead are greater than 50 mg/kg.
CF7SS15	Characterization sample: Sample located near field screening location CEF-7-SS-43, where TRPH was greater than 50 mg/kg. Sample location is just south of the taxiway and approximately 175 feet northeast of CF7SS13.
CF7SS16	Delineation sample: Sample location is west of dirt road that is outside of the security fence. Location is near or at the western extent of contaminated area at end of flightline, approximately 120 feet northwest of end of flightline, and located between Site 7 and Site 6. Site 6 is west of Site 7.

I. Site 7, Proposed Surface Soil Sample Locations (Continued)

Sample	Justification
CF7SS17	Delineation sample: Sample to be located at or near the northern extent of contamination at the end of the flightline. Sample will be located approximately 75 feet from the end of the flightline.
CF7SS18	Characterization sample: Sample location near field screening location CEF-7-SS-51, where TRPH and lead concentrations were greater than 50 mg/kg. Sample location is approximately 50 feet north of end of flightline.
CF7SS19	Delineation sample: Sample location at or near extent of contamination at end of flightline as indicated by field screening results. Sample location is approximately 90 feet north of flightline.
CF7SS20	Delineation sample: Sample location is at or near the eastern extent of contamination north of the flightline. Sample is to be located in the area of field screening locations CEF-7-SS-17 and CEF-7-SS-49.

II. Site 7, Proposed Subsurface Soil Sample Locations

Sample	Justification
CF7SB01	Characterization sample: Sample located in an area where TRPH was detected at greater than 50 mg/kg, approximately 180 feet south of the larger burn area. Sample is located adjacent to the broken asphalt part of flightline.
CF7SB02	Delineation sample: Sample located near southeastern edge of burn area.
CF7SB03	Delineation sample: Sample located approximately 60 feet south of burn area. Sample location should be near or outside the extent of contaminated soil.
CF7SB04	Delineation sample: Sample located west of area of greatest contamination. Sample is approximately 60 feet west of broken asphalt of flightline.
CF7SB05	Characterization sample: Sample located southwest of broken asphalt area where highest concentrations of contaminants were detected by field screening program. Sample located near field screening subsurface location 18.
CF7SB06	Delineation sample: Sample located west of burn area and approximately 65 from the edge of the broken asphalt part of the flightline. Sample is approximately 120 feet NW of CF7SB04 and 35 feet west of CF7SB07.
CF7SB07	Characterization sample: Sample located in northern part of burn area. Field screening indicates concentrations lessen in this area. Sample near the extent of contamination.
CF7SB08	Characterization sample: Sample located in the burn pit area.
CF7SB09	Delineation sample: Sample located approximately 135 feet north to northwest of CF7SB08 and is intended to assess the extent of subsurface soil contamination in that part of the site.

II. Site 7, Proposed Subsurface Soil Sample Locations

Sample	Justification
CF7SB10	Delineation sample: Sample located on the northeast side of the flightline near the southern extent of the burn area as indicated by field screening data.
CF7SB11	Characterization sample: Sample located in north part of burn area and on the northeast side of the flightline, where contamination was indicated.
CF7SB12	Delineation sample: Sample located approximately 60 feet northeast of CF7SB11 and at or near the extent where soil contaminants are > 50 mg/kg.
CF7SB13	Delineation sample: Sample located north of burn area on the northeast side of the flightline. Sample should be located at or near the extent of soil contamination as indicted by field screening data.
CF7SB14	Characterization sample: Sample located at the end of and near the northeast corner of the flightline. Sample is located in an area downgradient of the burn area, where surface runoff may flow. This area also has surface soil contamination, where TRPH and lead concentrations are greater than 50 mg/kg.
CF7SB15	Characterization sample: Sample located on the northeast side of the flightline at or near subsurface soil field screening location 28. High TRPH concentrations (max.: 1,200 mg/kg) were detected at this location. Field screening data indicated contamination in this area to be localized.
CF7SB16	Characterization sample: Sample located at subsurface soil field screening location 16, where TRPH and lead are greater than 50 mg/kg.
CF7SB17	Delineation sample: Sample located north of CF7SB16 and should be clean.

III. Site 7, Proposed Groundwater Sample Locations

ASSUMPTION: Groundwater flow direction is northwest.

Sample	**Justification**
CF7MW01S	Characterization well: Well located in area of greatest groundwater contamination. A 10-foot screen will be installed approximately 5 to 15 ft bls to intersect the water table. Well to be set at field screening location CEF-8-GS-4.
CF7MW02I	Characterization well: Well located in area of greatest groundwater contamination. A 10-foot screen will be set at approximately 40 to 50 ft bls, or midway between land surface and the top of the dolomite.
CF7MW03D	Characterization well: Well located in area of greatest groundwater contamination. A 10-foot screen will be set just above the clay overlying the dolomite. The well will be approximately 90 feet in total depth.
CF7MW04S	Delineation well: Shallow well located in what is believed to be cross-gradient of contaminated area. Screen to be set at 10 to 20 feet bls to monitor any sinking of the plume, if the plume exists in this area. Well located approximately 100 feet SW of CF7MW01S.
CF7MW05D	Delineation well: Deep well located cross-gradient of contaminated area. Well to be adjacent to CF7MW04S. Total depth will be approximately 90 feet, and a 10-foot screen will be set.
CF7MW06S	Delineation well: Well located in downgradient direction and just outside area of contamination, as indicated by field screening data. The 10-foot screened interval would be 10 to 20 feet bls and would detected any sinking of the plume, as well as floaters. Well to be located approximately 110 feet from CF7MW01S.
CF7MW07I or D*	Delineation well: Well located downgradient of contamination and approximately 110 feet from CEF7MW01S. Field screening indicate the area is clean. Well to be screened 40 to 50 feet bls. Well could be deeper, as determined by the FOL.

III. Site 7, Proposed Groundwater Sample Locations

CF7MW08S Characterization well: Well is located on NE side of flightline where groundwater contamination was indicated. Well to be screened from 15 to 25 ft bls, an interval where contaminants are indicated. Well to be set at field screening location CEF-8-GS-14.

CF7MW09I* Characterization well: Well screen to be set at 40 to 50 ft bls. Well to be set as a vertical extent well. **If no contamination is found, then no deep well is needed.** FOL will determine actual depth.

CF7MW10S Upgradient well: Shallow well to be screened from 10 to 20 ft bls. Exact location of upgradient wells to be determined by the FOL.

CF7MW11D Upgradient well: Deep well to be screened just above the clay and dolomite. Total depth will be approximately 75 feet.

CF7MW12S Characterization well: Proposed well location is downgradient of contaminated area on the NE side of the flightline. Well to be screened 10 to 20 feet.

CF7MW13S Characterization well: Well located approximately 10 feet northwest of end of old flightline. Well to intersect the water table, probably 5 to 15 feet bls. Well to be set approximately 60 feet southwest of field screening location CEF-8-GS-18.

CF7MW14I or D* Characterization well: Well set adjacent to CF7MW13S, and well be used as a vertical extent well. Depth to be determined by field crew.

CF7MW15S Delineation well: Well is approximately 150 feet south to southeast and upgradient of CF7MW01S. Well will be screened at the water table, approximately 5 to 15 feet bls.

Site 8, Boresite Range/Hazardous Waste Storage/Fire Fighting Training Area

Site 8 has two fire training areas located adjacent to a concrete pad that is approximately 1,000 feet south of the east and west flightline. Approximately 500 feet southwest of the concrete pad is an earthen backstop of a sighting range. Aircraft taxi to the concrete pad and sight in their guns. Between the concrete pad and the backstop is an open area where three abandoned trailers rest, as well as two metal storage structures, each approximately the size of a trailer. Reportedly, hazardous waste drums were stored in this open area have been used as targets when pilots sighted their guns. The northwest side of the site is bounded by a drainage ditch and a line of pine trees. The southeast side of the site is bounded by an access road and a drainage ditch. East and south of the access road and ditch is a forested area. Parts of the forested area are open and some kind of activity has taken place in these areas as evidenced by the presence of sand bags. The sand bags are stacked into a hollow, rectangular structure and appear to have possibly housed ordnance. Most to the site is a broad crest, gently sloping toward both ditches and toward the backstop. Regionally, topography slopes north to south.

Analysis of field screening samples was for lead, USEPA Method 8010/8020, PAHs, and TRPH. Surface soil contaminants include lead (85.2 mg/kg to 11.5 mg/kg), TRPH (1,100 mg/kg to 10 mg/kg), and PAH (1.1 mg/kg to 0.02 mg/kg). Surface soil contamination occurs in 3 distinct areas, in and adjacent to both burn areas and an area just in front of the backstop.

Subsurface soil contaminants include PAH (15.9 to 0.47 mg/kg) and TRPH (7,000 to 11 mg/kg). Contamination was detected within and adjacent to the two burn pits. Contamination was found from land surface to 7 ft bls.

Groundwater contamination was found from water table to greater than 90 ft bls. Maximum groundwater contaminants concentration are:

Parameter	Concentration ($\mu g/\ell$)	Depth (Ft bls)	Sample Location
Benzene	12	11 to 15	GS-8-2
Toluene	66	11 to 15	GS-8-2
Ethyl benzene	8.8	11 to 15	GS-8-2
Total xylenes	44	11 to 15	GS-8-2
Naphthalene	26	11 to 15	GS-8-6
1,1,1-tri-chloroethane (TCA)	70	11 to 15	GS-8-2
1,1-dichloro-ethane (DCA)	550	11 to 15	GS-8-2

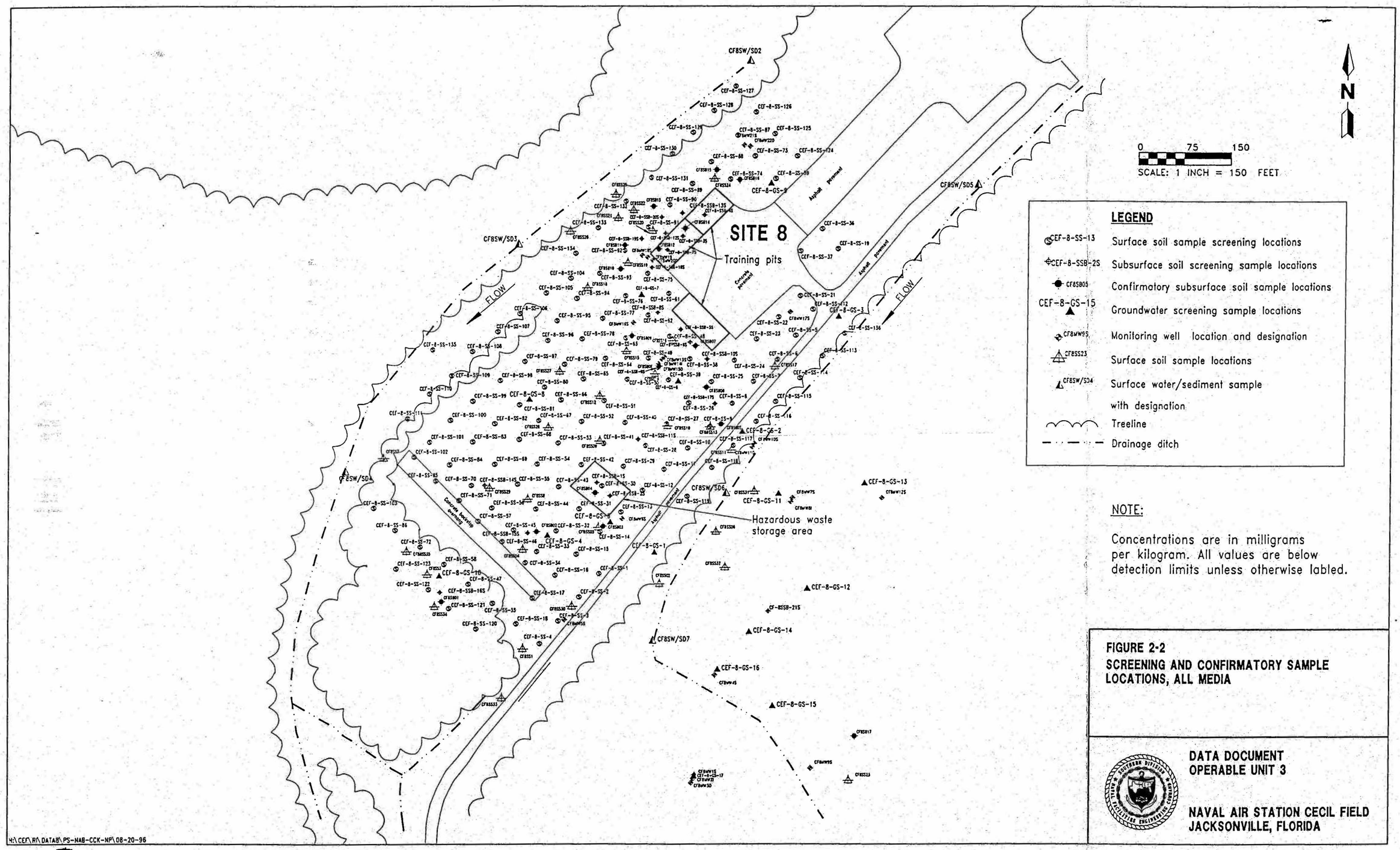


FIGURE 2-2
SCREENING AND CONFIRMATORY SAMPLE LOCATIONS, ALL MEDIA

DATA DOCUMENT
OPERABLE UNIT 3

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

I. Site 8, Proposed Surface Soil Sample Locations

All samples will be collected from 0 to 1 ft below land surface.

Problem: There is no location on base that has the same soil type as Sites 7 & 8. Background samples will have to be collected within the area of the sites.

Sample	Justification
CF8SS01	Delineation sample: Sample location is approximately 80 feet southeast of the southeast end of the backstop. Sample location is in an area where runoff could occur from the backstop.
CF8SS02	Characterization: Sample located east of the access road and southeast of the hazardous waste storage area. This location is in an unsampled area and not part of Site 8 proper, but is included as some activity has taken place in this wooded area.
CF8SS03	Delineation sample: Location is midway and behind backstop. PAH and TRPH concentrations less than 50 mg/kg are indicated in this area by field screening results. Sample is to be collected about midway down the slope of the backstop.
CF8SS04	Characterization sample: Sample located at or near field screening sample CF-8-SS-45, where the maximum lead concentration of 85.2 mg/kg was indicated.
CF8SS05	Characterization sample: Sample located south and topographically downgradient of hazardous waste storage area. Field screening results indicated this location should be clean.
CF8SS06	Characterization sample: Sample located east of access road and approximately 150 feet north to northeast of CF8SS02. Sample location is topographically downgradient of burn pits and the access road and the southernmost (smaller) burn pit. This location is in an unsampled area and not part of Site 8 proper, but is included as some activity has taken place in this wooded area.
CF8SS07	Characterization sample: Sample location on northwest side of backside in an area that would receive runoff from the backstop.

I. Site 8, Proposed Surface Soil Sample Locations (Continued)

Sample	Justification
CF7SS08	Delineation sample: Sample location is approximately 60 feet north of CF8SS04 and should be outside of the area where the lead concentrations is greater than 50 mg/kg.
CF8SS09	Delineation sample: Sample located at southwestern extent of an area where TRPH concentrations are greater than 50 mg/kg. The contaminated area is southwest of the concrete pad and adjacent to the smaller burn pit. Sample location is at or near field screening location CEF-8-SS-49.
CF8SS10	Delineation sample: Sample location is south of the smaller burn pit and the area where TRPH is greater than 50 mg/kg. Sample location is in the vicinity of field screening locations CEF-8-SS-27 and CEF-8-SS-26 and should be near the extent of TRPH contamination.
CF8SS11	Characterization sample: Sample location is topographically downgradient of contaminated soil, the smaller burn pit, and the access road. Sample location is in the vicinity of existing monitoring well No. 2 and approximately 140 feet north of CF8SS06. Low PAH and TRPH concentrations are indicated in this area.
CF8SS12	Delineation sample: Sample located at the assumed western extent where TRPH is greater than 50 mg/kg. Sample location is near field screening location CEF-8-SS-51.
CF8SS13	Characterization sample: Sample located at field screening location CEF-8-SS-9, where TRPH was detected at 1,100 mg/kg. Sample location is near south extent of TRPH contamination and upgradient of proposed sample CF8SS11 and existing monitoring well No.2
CF8SS14	Characterization sample: Sample located at field screening location CEF-8-SS-38 where TRPH was 1,100 mg/kg. Sample location is just south of the smaller burn pit.
CF8SS15	Delineation sample: Sample location is northwest of area where TRPH is greater than 50 mg/kg and west of smaller burn pit. The sample location is approximately 30 feet west to northwest of CF8SS49.

I. Site 8, Proposed Surface Soil Sample Locations (Continued)

Sample	Justification
CF8SS16	Characterization sample: Sample is located in or adjacent to the smaller burn pit.
CF8SS17	Delineation sample: Sample located at the northeastern extent of area where TRPH is greater than 50 mg/kg, located east of the smaller burn pit, and topographically downgradient of the concrete pad.
CF8SS18	Delineation sample: Sample location west to southwest of second area where TRPH is greater than 50 mg/kg. This area is adjacent to the larger burn pit.
CF8SS19	Characterization sample: Sample location in the second area where TRPH is greater than 50 mg/kg. This area is just southwest of the larger burn pit.
CF8SS20	Characterization sample: Sample location in or near the larger burn pit.
CF8SS21	Delineation sample: Sample located west of and topographically downgradient of the larger burn pit. Sample located between the pit and a drainage ditch.
CF8SS22	Characterization sample: Sample located west of and adjacent to larger burn pit, at field screening location CEF-8-SS-91. This location appears to be an isolated area where TRPH is greater than 50 mg/kg.
CF8SS23	Background sample: Sample located approximately 600 feet southeast of the southeast end of the backstop. Sample located where soils are thought to be slightly disturbed, but out of the area of influence at Site 8.
CF8SS24	TRPH Delineation sample: Sample is located just north of the larger burn pit area.
CF8SS25	TRPH Delineation sample: Sample located approximately 40 feet north to northwest of CF8SS22.
CF8SS26	TRPH Delineation sample: Sample located approximately 90 feet north to northwest of CF8SS19.
CF8SS27	TRPH Delineation sample: Sample is located approximately 50 feet west of CF8SS15.

I. Site 8, Proposed Surface Soil Sample Locations (Continued)

Sample	Justification
CF8SS28	TRPH Delineation sample: Sample located approximately 50 feet west of CF8SS09.
CF8SS29	TRPH Delineation sample: Sample located approximately 80 feet northwest of CF8SS04.
CF8SS30	TRPH Delineation sample: Sample is located approximately 40 feet east of backstop.
CF8SS31	TRPH Delineation sample: Sample located approximately 60 feet west of CF8SS11.
CF8SS32	TRPH Delineation sample: Sample located approximately 40 feet south of CF8SS06.
CF8SS33	TRPH Delineation sample: Sample is located approximately 70 feet southwest of CF8SS01.
CF8SS34	TRPH Delineation sample: Sample located approximately 40 feet south of CF8SS03.
CF8SS35	TRPH Delineation sample: Sample located approximately 40 feet northwest of CF8SS03.

II. Site 8, Proposed Subsurface Soil Sample Locations

Sample	Justification
CF8SB01	Characterization area: Behind backstop in a location where runoff from the backstop could occur. The sample is located about midway of the slope of the backstop.
CF8SB02	Characterization sample: Located approximately 50 feet in front of backstop near where lead concentrations greater than 50 mg/kg were detected in surface soil samples.
CF8SB03	Characterization sample: Sample located topographically downgradient of the hazardous waste storage area. Sample will be located downgradient of the depression in the hazardous waste storage area and co-located with surface soil sample CF8SS05.
CF8SB04	Characterization sample: Sample located within the depression of the hazardous waste storage area.
CF8SB05	Characterization sample: Sample located at field screening location CEF-8-SS-8, where TRPH was 1,100 mg/kg. Sample co-located with confirmatory surface soil sample CF8SS13.
CF8SB06	Delineation sample: Sample located just southwest of the smaller burn pit. Field screening indicates TRPH concentrations are less than 50 mg/kg within the subsurface soil at this location.
CF8SB07	Characterization sample: Sample located adjacent to or within the smaller pit where the greatest concentration of contaminants were detected. Sample located at field screening location No. 6.
CF8SB08	Delineation sample: Sample located approximately 80 feet southeast of the smaller burn pit. Field screening data indicate this area should be clean.
CF8SB09	Delineation sample: Sample located approximately 60 feet from the northwest corner of smaller burn pit and between the two burn pits.
CF8SB10	Delineation sample: Sample located approximately 50 feet southwest of the larger burn pit. Field screening data indicate the subsurface soil southwest and adjacent to the larger burn pit is contaminated.

II. Site 8, Proposed Subsurface Soil Sample Locations (Continued)

Sample	Justification
CF8SB11	Delineation sample: Sample located 30 to 40 feet west of the southwest corner of larger burn pit.
CF8SB12	Characterization sample: Sample located in southwest part of larger burn pit.
CF8SB13	Characterization sample: Sample located north to northwest of larger burn pit, near surface soil sample CF8SS22. The sample is approximately 50 feet northwest of CF8SB14.
CF7SB14	Characterization sample: Sample located in larger burn pit where the greatest concentration of contaminants were detected. Sample located at or near field screening location No. 3, approximately 20 feet from the western edge of concrete pad.
CF7SB15	Delineation sample: Sample located north of northeast corner of burn pit.
CF7SB16	Delineation sample: Sample located northeast of larger burn pit.

Notes: Actual locations will be determined by FOL

One subsurface soil sample will be collected per borehole, at the depth where the greatest contamination occurs, as determined by field screening data. Generally, this will be just above the water table.

III. Site 8, Proposed Groundwater Sample Locations

ASSUMPTION: Groundwater flow direction is south.

Sample	**Justification**
CF8MW01S	Delineation well: Well located south of the drainage ditch in the wooded area south of Site 8 proper. Primary purpose of this downgradient well is monitoring extent of chlorinated solvent plume. A 10-foot screen will be set to intersect the water table.
CF8MW02I*	Delineation well: Well located adjacent to CF8MW01S. A 10-foot screen will be set at approximately 40 to 50 ft bls.
CF8MW03D	Delineation well: Well located adjacent to CF8MW02I. A 10-foot screen will be set to just above the dolomite, approximately 90 feet bls.
CF8MW04S	Characterization well: A shallow well set on the north side of the drainage ditch and north of CF8MW01S. A 10-foot screen will be set to intersect the water table. Well is placed at this location to monitor chlorinated solvent contamination that may be discharging to the stream.
CF8MW05S	Characterization well: A shallow well to be set on the southeast side of the Boresite Range backstop, A 10-foot screen will be set to intersect the water table. The well is placed to monitor possible contamination from either the backstop area or the hazardous materials storage area.
CF8MW06S	Characterization well: This is to be set adjacent to and down gradient of the hazardous material storage area. Well is to be screened to intersect the water table.
CF8MW07S	Characterization well: Well located in vicinity or field screening location GS-8-11, where several contaminants were detected. A 10-foot screen will be set to monitor the water table.
CF8MW08I	Characterization well: Well located adjacent to CF8MW07S. Well to be screened from 55 to 65 feet bls.

III. Site 8, Proposed Groundwater Sample Locations (Continued)

Sample	Justification
CF8MW09S*	Delineation well: Well located in wooded area east of Site 8 proper. Well to be located at or near the eastern edge of the solvent plume, as indicated by field screening data. A 10-foot screen is to be set at 10 to 20 feet bls.
CF8MW10S	Characterization well: Well is to be set near field screening location GS-8-2, where the highest concentration of contaminants was detected in groundwater. A 10-foot screen will be set to intercept the water table.
CF8MW11D	Characterization well: This well will be adjacent to CEF8MW10S. The screen will be set just above the dolomite.
CF8MW12S*	Delineation well: This shallow well will be set toward the eastern extent of the solvent contamination east of the site.
CF8MW13S	Characterization well: A shallow well to be set as near as possible to the southern corner of the small burn pit, an area where contamination has been indicated by field screening. The screen will be set to intersect the water table.
CF8MW14I	Characterization well: An intermediate well to be set adjacent to and downgradient of CF8MW13S. The screen will be set at approximately 40 to 50 feet bls.
CF8MW15D	Characterization well: A deep well set adjacent to and downgradient of CF8MW14I. A 10-foot screen will be set just above the dolomite, approximately 80 to 90 feet bls.
CF8MW16S	Delineation well: This well will be set near the northwest corner of the small burn pit. Well is to monitor the groundwater in the area between the two burn pits. The screen will be set to intercept the water table.

III. Site 8, Proposed Groundwater Sample Locations (Continued)

Sample	Justification
CF8MW17S	Characterization well: A shallow well to be set southeast of the concrete pad. The well will be downgradient of the larger burn pit and the concrete pad of the Boresite Range. The screen will be set at 10 to 20 feet bls.
CF8MW18S	Characterization well: This shallow well will be set downgradient of the larger burn pit, either at the pit's southern corner or in the concrete pad. This well will monitor shallow groundwater downgradient of the larger pit and the screen will intercept the water table.
CF8MW19I	Characterization well: This well will be downgradient of and adjacent to CEF8MW18S and screened at approximately 40 to 50 feet bls.
CF8MW20D	Characterization well: This well will be set downgradient of and adjacent to CF8MW19I. A 10-foot screen will be set just above the dolomite, approximately 80 to 90 feet bls.
CF8MW21S	Upgradient well: A shallow well set to intercept the water table.
CF8MW22D	Upgradient well: A deep well set to monitor groundwater conditions just above the dolomite.

Notes: Screen intervals of wells in **bold** should be determined based on field GC results, if possible.

Actual locations will be determined by the FOL.

IV Site 8, Proposed Surface Water and Sediment Locations

Sample	Justification
CEF8SW/SD1	Background location: An attempt will be made to locate a suitable sample site, that will be upgradient and outside of the Site 8 area.
CEF8SW/SD2	Upgradient location: Samples will be collected from the western drainage ditch approximately 200 feet upgradient of the larger burn area. Samples should out of the area of influence of Site 8 activities.
CEF8SW/SD3	Characterization location: Samples will be collected from the western ditch, approximately 200 feet downgradient of the larger burn area.
CEF8SW/SD4	Characterization location: Samples will be collected from the western ditch, downgradient of the open field area and the backstop.
CEF8SW/SD5	Upgradient location: Samples will be collected from the eastern drainage ditch approximately 300 feet upgradient of the larger burn area. Samples should out of the area of influence of Site 8 activities.
CEF8SW/SD6	Characterization location: Samples will be collected from the eastern ditch, downgradient of smaller burn pit area.
CEF8SW/SD7	Characterization location: Samples will be collected from the eastern ditch downgradient of all site activity areas.

CHAPTER 3.0

BACKGROUND SAMPLE DATA

Background Data Summary

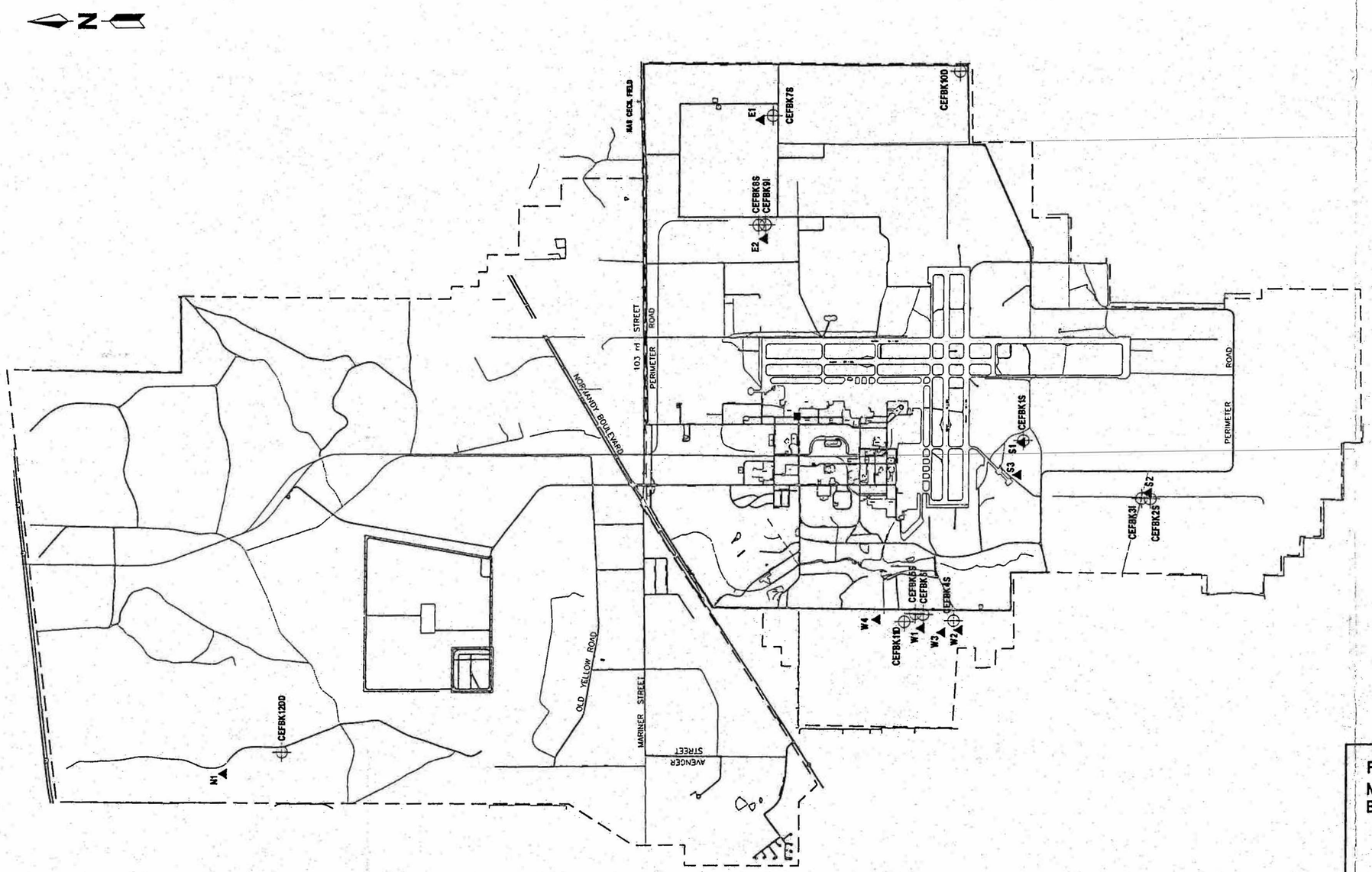
Included in the background data summary is a list of all background samples, a background sample location map, and analytical data pertinent to Operable Unit 3. Figure 3-1 indicates the locations from where background surface soil, subsurface soil, and groundwater samples were collected. Analytical data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

Surface soil at Operable Unit 3 were considered to be the Arents soil type. Arents are soils that have been reworked by manmade earthmoving operations. Typically, the soils consist of mixed materials and often have been transported from another location. Arents, then, are not considered native to the site. Aerial photographs indicate that surface soil at Sites 7 and 8 has been moved, graded, and quite possibly, built up with additional soil, to accommodate the existing features associated with the NAS Cecil Field flightlines.

The Arents background soil location is S1 (Figure 3-1), located in the southern part of the Main Base and east of Site 8. Four surface soil samples, CEFBKSS1 through CEFBKSS4, were collected from the S1 location. Analytical results for these samples are included in the background data summary.

The subsurface soil type at Operable Unit 3 is Aquic quartzisamments. By definition, Aquic quartzisamments are soils that have been reworked, but are native to the site. Most, if not all, of Operable Unit 3 soil has been reworked. Aerial photographs were reviewed to locate an area where the soil may have only slightly disturbed. The goal was to locate an area where foreign soil had not been introduced. Such an area was located on the eastern boundary of Site 8. This location has been designated S3 on Figure 3-1 and consists of sample CF8SB17. Analytical data for this sample are included in the background data summary.

Groundwater contamination at Operable Unit 3 was assessed to exist in the upper 20 feet of the surficial aquifer. For this reason, groundwater results from Sites 7 and 8 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 in Figure 3-1. Analytical data from all background wells are included in the background data summary.



0 2,000 4,000
SCALE: 1 INCH = 4,000 FEET

LEGEND

- W1 Background sample location and designation
- CEFBK5S Background sample location and designation
- Base bondary

FIGURE 3-1
NAVAL AIR STATION CECIL FIELD
BACKGROUND SAMPLE LOCATIONS

OPERABLE UNIT 3
DATA DOCUMENT

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

H:\CEF\DD\CE-BASE\CCK\08-16-96

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

Surface Soil Analytical Results, Arents Soil Type

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- VOLATILES

Lab Sample Number:	CEFBSS01				CEFBSS01R				CEFBSS01T				CEFBSS02			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS01				CEFBSS01R				CEFBSS01T				CEFBSS02			
Collect Date:	19-JUL-93				19-JUL-93				19-JUL-93				19-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
Methylene chloride	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Acetone	5	U	ug/kg	5	10	U	ug/l	10	10	U	ug/l	10	6	U	ug/kg	6
Carbon disulfide	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Chloroform	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
2-Butanone	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
1,1,1-Trichloroethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Carbon tetrachloride	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Bromodichloromethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloropropane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Trichloroethene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Dibromochloromethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1,2-Trichloroethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Benzene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Bromoform	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
4-Methyl-2-pentanone	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	10	U	ug/l	10	10	U	ug/l	10	11	U	ug/kg	11
Tetrachloroethene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Toluene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Chlorobenzene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Ethylbenzene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Styrene	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Xylenes (total)	5	U	ug/kg	5	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6

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

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- VOLATILES

Lab Sample Number:	CEFBSS02D				CEFBSS02R				CEFBSS02T				CEFBSS03			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS02D				CEFBSS02R				CEFBSS02T				CEFBSS03			
Collect Date:	19-JUL-93				20-JUL-93				20-JUL-93				19-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
Methylene chloride	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Acetone	6	U	ug/kg	6	10	U	ug/l	10	10	U	ug/l	10	6	U	ug/kg	6
Carbon disulfide	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
2-Hexanone	12	U	ug/kg	12	10	U	ug/l	10	10	U	ug/l	10	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	5	U	ug/l	5	5	U	ug/l	5	6	U	ug/kg	6

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

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- VOLATILES

Lab Sample Number:	CEFBSS04			CEFBSS05			CEFBSS06			CEFBSS07		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	CEFBSS04			CEFBSS05			CEFBSS06			CEFBSS07		
Collect Date:	19-JUL-93			20-JUL-93			20-JUL-93			20-JUL-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	11	U ug/kg	11	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	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5
Acetone	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5
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	11	U ug/kg	11	11	U ug/kg	11
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	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5	5	U ug/kg	5
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	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	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 = [illegible] DETECTED J = ESTIMATED VALUE
UJ [illegible]ORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = [illegible]ULT IS REJECTED AND UNUSABLE

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- SEMIVOLATILES

Lab Sample Number:	CEFBSS01			CEFBSS01R			CEFBSS02			CEFBSS02D		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	CEFBSS01			CEFBSS01R			CEFBSS02			CEFBSS02D		
Collect Date:	19-JUL-93			19-JUL-93			19-JUL-93			19-JUL-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	52 J	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
bis(2-Chloroethyl) ether	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2-Chlorophenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
1,3-Dichlorobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
1,4-Dichlorobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
1,2-Dichlorobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2-Methylphenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,2-oxybis(1-Chloropropane)	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Methylphenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
N-Nitroso-di-n-propylamine	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Hexachloroethane	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Nitrobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Isophorone	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2-Nitrophenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4-Dimethylphenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
bis(2-Chloroethoxy) methane	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4-Dichlorophenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
1,2,4-Trichlorobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Naphthalene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Chloroaniline	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Hexachlorobutadiene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Chloro-3-methylphenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2-Methylnaphthalene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Hexachlorocyclopentadiene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4,6-Trichlorophenol	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4,5-Trichlorophenol	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
2-Chloronaphthalene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2-Nitroaniline	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
Dimethylphthalate	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Acenaphthylene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,6-Dinitrotoluene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
3-Nitroaniline	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
Acenaphthene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4-Dinitrophenol	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
4-Nitrophenol	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
Dibenzofuran	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
2,4-Dinitrotoluene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Diethylphthalate	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Chlorophenyl-phenylether	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Fluorene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Nitroaniline	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
4,6-Dinitro-2-methylphenol	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
N-Nitrosodiphenylamine (1)	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
4-Bromophenyl-phenylether	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Hexachlorobenzene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Pentachlorophenol	870 U	ug/kg	870	25 U	ug/l	25	890 U	ug/kg	890	990 U	ug/kg	990
Phenanthrene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Anthracene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Carbazole	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Di-n-butylphthalate	34 J	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Fluoranthene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Pyrene	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410
Butylbenzylphthalate	360 U	ug/kg	360	10 U	ug/l	10	370 U	ug/kg	370	410 U	ug/kg	410

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- SEMIVOLATILES

Lab Sample Number:	CEFBSS01				CEFBSS01R				CEFBSS02				CEFBSS02D			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS01				CEFBSS01R				CEFBSS02				CEFBSS02D			
Collect Date:	19-JUL-93				19-JUL-93				19-JUL-93				19-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3,3-Dichlorobenzidine	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Benzo (a) anthracene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Chrysene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
bis(2-Ethylhexyl) phthalate	48	J	ug/kg	360	10	U	ug/l	10	51	J	ug/kg	370	42	J	ug/kg	410
Di-n-octylphthalate	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Benzo (b) fluoranthene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Benzo (k) fluoranthene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Benzo (a) pyrene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Indeno (1,2,3-cd) pyrene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Dibenz (a,h) anthracene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410
Benzo (g,h,i) perylene	360	U	ug/kg	360	10	U	ug/l	10	370	U	ug/kg	370	410	U	ug/kg	410

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

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- SEMIVOLATILES

Lab Sample Number:	CEFBSS02R			CEFBSS03			CEFBSS04			CEFBSS05		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	CEFBSS02R			CEFBSS03			CEFBSS04			CEFBSS05		
Collect Date:	20-JUL-93			19-JUL-93			19-JUL-93			20-JUL-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
bis(2-Chloroethyl) ether	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2-Chlorophenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
1,3-Dichlorobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
1,4-Dichlorobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
1,2-Dichlorobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2-Methylphenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,2-oxybis(1-Chloropropane)	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Methylphenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
N-Nitroso-di-n-propylamine	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Hexachloroethane	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Nitrobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Isophorone	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2-Nitrophenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4-Dimethylphenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
bis(2-Chloroethoxy) methane	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4-Dichlorophenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
1,2,4-Trichlorobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Naphthalene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Chloroaniline	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Hexachlorobutadiene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Chloro-3-methylphenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2-Methylnaphthalene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Hexachlorocyclopentadiene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4,6-Trichlorophenol	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4,5-Trichlorophenol	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
2-Chloronaphthalene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2-Nitroaniline	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
Dimethylphthalate	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Acenaphthylene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,6-Dinitrotoluene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
3-Nitroaniline	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
Acenaphthene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4-Dinitrophenol	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
4-Nitrophenol	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
Dibenzofuran	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
2,4-Dinitrotoluene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Diethylphthalate	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Chlorophenyl-phenylether	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Fluorene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Nitroaniline	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
4,6-Dinitro-2-methylphenol	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
N-Nitrosodiphenylamine (1)	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
4-Bromophenyl-phenylether	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Hexachlorobenzene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Pentachlorophenol	25	U ug/l	25	930	U ug/kg	930	860	U ug/kg	860	860	U ug/kg	860
Phenanthrene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Anthracene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Carbazole	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Di-n-butylphthalate	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Fluoranthene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350
Pyrene	10	U ug/l	10	380	U ug/kg	380	350	U ug/kg	350	350	U ug/kg	350

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- SEMIVOLATILES

Lab Sample Number:	CEFBSS02R				CEFBSS03				CEFBSS04				CEFBSS05			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS02R				CEFBSS03				CEFBSS04				CEFBSS05			
Collect Date:	20-JUL-93				19-JUL-93				19-JUL-93				20-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Butylbenzylphthalate	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
3,3-Dichlorobenzidine	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (a) anthracene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Chrysene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (b) fluoranthene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (k) fluoranthene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (a) pyrene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Dibenz (a,h) anthracene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350
Benzo (g,h,i) perylene	10	U	ug/l	10	380	U	ug/kg	380	350	U	ug/kg	350	350	U	ug/kg	350

U = NO[illegible]ETECTED J = ESTIMATED VALUE
UJ = [illegible]TED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R[illegible] IS REJECTED AND UNUSABLE

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- PESTICIDES AND PCBS

Lab Sample Number:	CEFBSS01			CEFBSS01R			CEFBSS02			CEFBSS02D		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	CEFBSS01			CEFBSS01R			CEFBSS02			CEFBSS02D		
Collect Date:	19-JUL-93			19-JUL-93			19-JUL-93			19-JUL-93		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
beta-BHC	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
delta-BHC	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
gamma-BHC (Lindane)	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Heptachlor	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Aldrin	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Heptachlor epoxide	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Endosulfan I	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Dieldrin	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
4,4-DDE	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
Endrin	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	.32 J	ug/kg	4
Endosulfan II	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
4,4-DDD	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
Endosulfan sulfate	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
4,4-DDT	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
Methoxychlor	18 U	ug/kg	18	.5 U	ug/l	.5	1 U	ug/kg	1	21 U	ug/kg	21
Endrin ketone	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
Endrin aldehyde	3.6 U	ug/kg	3.6	.1 U	ug/l	.1	3.7 U	ug/kg	3.7	4.1 U	ug/kg	4.1
alpha-Chlordane	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
gamma-Chlordane	1.8 U	ug/kg	1.8	.05 U	ug/l	.05	1.9 U	ug/kg	1.9	2.1 U	ug/kg	2.1
Toxaphene	180 U	ug/kg	180	5 U	ug/l	5	190 U	ug/kg	190	210 U	ug/kg	210
Aroclor-1016	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41
Aroclor-1221	72 U	ug/kg	72	2 U	ug/l	2	74 U	ug/kg	74	82 U	ug/kg	82
Aroclor-1232	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41
Aroclor-1242	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41
Aroclor-1248	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41
Aroclor-1254	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41
Aroclor-1260	36 U	ug/kg	36	1 U	ug/l	1	37 U	ug/kg	37	41 U	ug/kg	41

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

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- PESTICIDES AND PCBS

Lab Sample Number:	CEFBSS02R				CEFBSS03				CEFBSS04				CEFBSS05			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS02R				CEFBSS03				CEFBSS04				CEFBSS05			
Collect Date:	20-JUL-93				19-JUL-93				19-JUL-93				20-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
beta-BHC	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
delta-BHC	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-BHC (Lindane)	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Aldrin	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Heptachlor epoxide	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Endosulfan I	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Dieldrin	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDE	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endrin	.1	U	ug/l	.1	.7	U	ug/kg	.7	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endosulfan II	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDD	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endosulfan sulfate	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
4,4-DDT	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Methoxychlor	.5	U	ug/l	.5	19	U	ug/kg	19	2	U	ug/kg	2	18	U	ug/kg	18
Endrin ketone	.1	U	ug/l	.1	3.9	U	ug/kg	3.9	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
Endrin aldehyde	.1	U	ug/l	.1	.45		ug/kg	4	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6
alpha-Chlordane	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
gamma-Chlordane	.05	U	ug/l	.05	1.9	U	ug/kg	1.9	1.8	U	ug/kg	1.8	1.8	U	ug/kg	1.8
Toxaphene	5	U	ug/l	5	190	U	ug/kg	190	180	U	ug/kg	180	180	U	ug/kg	180
Aroclor-1016	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1221	2	U	ug/l	2	78	U	ug/kg	78	72	U	ug/kg	72	72	U	ug/kg	72
Aroclor-1232	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1242	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1248	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1254	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1260	1	U	ug/l	1	39	U	ug/kg	39	36	U	ug/kg	36	36	U	ug/kg	36

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

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- METALS AND CYANIDE

Lab Sample Number:	E6969				E6967				E6970				E6971			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CFEBSS01				CFEBSS01R				CFEBSS02				CFEBSS02D			
Collect Date:	19-JUL-93				19-JUL-93				19-JUL-93				19-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	4720		mg/kg	40	63.1	U	ug/l	200	18500		mg/kg	40	23600		mg/kg	40
Antimony	3.2	U	mg/kg	12	15	U	ug/l	60	3.3	U	mg/kg	12	3.7	U	mg/kg	12
Arsenic	.22	UJ	mg/kg	2	1	UJ	ug/l	10	1.4	J	mg/kg	2	.25	UJ	mg/kg	2
Barium	5.4	J	mg/kg	40	2.9	U	ug/l	200	13.4	J	mg/kg	40	19.3	J	mg/kg	40
Beryllium	.21	U	mg/kg	1	1.4	U	ug/l	5	.22	U	mg/kg	1	.25	U	mg/kg	1
Cadmium	.86	U	mg/kg	1	4	U	ug/l	5	.89	U	mg/kg	1	.99	U	mg/kg	1
Calcium	119	U	mg/kg	1000	357	U	ug/l	5000	167	U	mg/kg	1000	111	U	mg/kg	1000
Chromium	5.9		mg/kg	2	8	U	ug/l	10	18.4		mg/kg	2	23.6		mg/kg	2
Cobalt	1.3	U	mg/kg	10	6	U	ug/l	50	1.3	U	mg/kg	10	1.5	U	mg/kg	10
Copper	.93	U	mg/kg	5	5	U	ug/l	25	.76	U	mg/kg	5	.95	U	mg/kg	5
Iron	716		mg/kg	20	31.3	U	ug/l	100	6090		mg/kg	20	7440		mg/kg	20
Lead	4.8		mg/kg	1	3.5	U	ug/l	5	10.3		mg/kg	1	10.6		mg/kg	1
Magnesium	123	J	mg/kg	1000	83.9	U	ug/l	5000	326	J	mg/kg	1000	425	J	mg/kg	1000
Manganese	8.8		mg/kg	3	4.1	U	ug/l	15	9		mg/kg	3	10.1		mg/kg	3
Mercury	.11	U	mg/kg	.1	.2	U	ug/l	.2	.12	U	mg/kg	.1	.13	U	mg/kg	.1
Nickel	2	J	mg/kg	8	7	U	ug/l	40	5.2	J	mg/kg	8	6.1	J	mg/kg	8
Potassium	69.7	J	mg/kg	1000	125	U	ug/l	5000	199	J	mg/kg	1000	255	J	mg/kg	1000
Selenium	.22	U	mg/kg	1	1	U	ug/l	5	.22	U	mg/kg	1	.25	U	mg/kg	1
Silver	.86	U	mg/kg	2	4	U	ug/l	10	.89	U	mg/kg	2	.99	U	mg/kg	2
Sodium	159	U	mg/kg	1000	913	U	ug/l	5000	241	U	mg/kg	1000	219	U	mg/kg	1000
Thallium	.44	U	mg/kg	2	2	U	ug/l	10	.43	U	mg/kg	2	.5	U	mg/kg	2
Vanadium	4.9	J	mg/kg	10	4.1	J	ug/l	50	20.2		mg/kg	10	23.8		mg/kg	10
Zinc	4.9	U	mg/kg	4	38.4	U	ug/l	20	20.2	U	mg/kg	4	10.1	U	mg/kg	4
Cyanide	.54	U	mg/kg	1	5	U	ug/l	10	.49	U	mg/kg	1	.6	U	mg/kg	1

U = NOT DETECTED J = ESTIMATED VALUE
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R = RESULT IS REJECTED AND UNUSABLE

CECIL FIELD -- SURFACE SOIL -- BACKGROUND
VALIDATED DATA -- METALS AND CYANIDE

Lab Sample Number:	CEFBSS02R				E6972				E6973				E7214			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	CEFBSS02R				CFEBSS03				CFEBSS04				CFEBSS05			
Collect Date:	20-JUL-93				19-JUL-93				19-JUL-93				20-JUL-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	116	U	ug/l	200	24000		mg/kg	40	8400		mg/kg	40	680		mg/kg	40
Antimony	15	U	ug/l	60	3.4	U	mg/kg	12	3.2	U	mg/kg	12	3.2	U	mg/kg	12
Arsenic	1	U	ug/l	10	2.2	J	mg/kg	2	.86	UJ	mg/kg	2	.31	UJ	mg/kg	2
Barium	1	U	ug/l	200	13.4	J	mg/kg	40	6.8	J	mg/kg	40	2.4	J	mg/kg	40
Beryllium	1	U	ug/l	5	.23	U	mg/kg	1	.22	U	mg/kg	1	.21	U	mg/kg	1
Cadmium	4	U	ug/l	5	.91	U	mg/kg	1	.86	U	mg/kg	1	.86	U	mg/kg	1
Calcium	136	U	ug/l	5000	88.4	U	mg/kg	1000	67.7	U	mg/kg	1000	93.5	U	mg/kg	1000
Chromium	8	U	ug/l	10	24.9		mg/kg	2	10.6		mg/kg	2	1.7	U	mg/kg	2
Cobalt	6	U	ug/l	50	1.4	U	mg/kg	10	1.3	U	mg/kg	10	1.3	U	mg/kg	10
Copper	2	U	ug/l	25	.5	U	mg/kg	5	.43	U	mg/kg	5	.43	U	mg/kg	5
Iron	44	U	ug/l	100	7140		mg/kg	20	1500		mg/kg	20	252		mg/kg	20
Lead	1	U	ug/l	5	8.3		mg/kg	1	7.6		mg/kg	1	2.4		mg/kg	1
Magnesium	55.9	U	ug/l	5000	319	J	mg/kg	1000	129	J	mg/kg	1000	24.4	J	mg/kg	1000
Manganese	2	U	ug/l	15	10.9		mg/kg	3	4.8		mg/kg	3	4.1		mg/kg	3
Mercury	.2	U	ug/l	.2	.12	U	mg/kg	.1	.11	U	mg/kg	.1	.11	U	mg/kg	.1
Nickel	7	U	ug/l	40	5.4	J	mg/kg	8	1.5	J	mg/kg	8	1.5	U	mg/kg	8
Potassium	169	U	ug/l	5000	236	J	mg/kg	1000	87.5	J	mg/kg	1000	19.4	U	mg/kg	1000
Selenium	1	U	ug/l	5	.24	U	mg/kg	1	.22	U	mg/kg	1	.22	U	mg/kg	1
Silver	4	U	ug/l	10	.91	U	mg/kg	2	.86	U	mg/kg	2	.86	U	mg/kg	2
Sodium	251	U	ug/l	5000	162	U	mg/kg	1000	182	U	mg/kg	1000	210	U	mg/kg	1000
Thallium	2	U	ug/l	10	.47	U	mg/kg	2	.43	U	mg/kg	2	.44	U	mg/kg	2
Vanadium	4	U	ug/l	50	30.7		mg/kg	10	10.9		mg/kg	10	1.9	J	mg/kg	10
Zinc	10.5	J	ug/l	20	8.5	U	mg/kg	4	4.4	U	mg/kg	4	2.7	U	mg/kg	4
Cyanide	5	U	ug/l	10	.56	U	mg/kg	1	.51	U	mg/kg	1	.5	U	mg/kg	1

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R = RESULT IS REJECTED AND UNUSABLE

Section 3.2

Subsurface Soil Analytical Results, Aquic Quartzisamments Soil Type

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- VOLATILES -- REQ. NO. 7384

Lab Sample Number:	A2WLW			A2WLV			A2WM3		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF8SB15			CF8SB16			CF8SB17		
Collect Date:	18-FEB-95			18-FEB-95			20-FEB-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	16 U	ug/kg	16
Bromomethane	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Vinyl chloride	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Chloroethane	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Methylene chloride	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Acetone	12 UJ	ug/kg	12	12 UJ	ug/kg	12	16 UJ	ug/kg	16
Carbon disulfide	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1-Dichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloroethene (total)	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Chloroform	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
2-Butanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
1,1,1-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Carbon tetrachloride	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Bromodichloromethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,2-Dichloropropane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
cis-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Trichloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Dibromochloromethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1,2-Trichloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Benzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
trans-1,3-Dichloropropene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Bromoform	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
4-Methyl-2-pentanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
2-Hexanone	12 U	ug/kg	12	12 U	ug/kg	12	16 U	ug/kg	16
Tetrachloroethene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Toluene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
1,1,2,2-Tetrachloroethane	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Chlorobenzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Ethylbenzene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Styrene	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8
Xylenes (total)	6 U	ug/kg	6	6 U	ug/kg	6	8 U	ug/kg	8

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NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Chloroethyl) ether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Chlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,3-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,4-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,2-Dichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,2-oxybis(1-Chloropropane)	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
N-Nitroso-di-n-propylamine	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachloroethane	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Nitrobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Isophorone	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Nitrophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dimethylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Chloroethoxy) methane	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dichlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
1,2,4-Trichlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Naphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chloroaniline	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorobutadiene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chloro-3-methylphenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Methylnaphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorocyclopentadiene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4,6-Trichlorophenol	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4,5-Trichlorophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
2-Chloronaphthalene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Dimethylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Acenaphthylene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,6-Dinitrotoluene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
3-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Acenaphthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dinitrophenol	940	UJ	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
4-Nitrophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Dibenzofuran	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
2,4-Dinitrotoluene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Diethylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Chlorophenyl-phenylether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Fluorene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- SEMIVOLATILES -- REQ. NO. 8087

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Nitroaniline	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
4,6-Dinitro-2-methylphenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
N-Nitrosodiphenylamine (1)	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
4-Bromophenyl-phenylether	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Hexachlorobenzene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Pentachlorophenol	940	U	ug/kg	940	930	U	ug/kg	930	1300	U	ug/kg	1300
Phenanthrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Carbazole	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Di-n-butylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Butylbenzylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
3,3-Dichlorobenzidine	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (a) anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Chrysene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
bis(2-Ethylhexyl) phthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Di-n-octylphthalate	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (b) fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (k) fluoranthene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (a) pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Indeno (1,2,3-cd) pyrene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Dibenzo (a,h) anthracene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530
Benzo (g,h,i) perylene	390	U	ug/kg	390	380	U	ug/kg	380	530	U	ug/kg	530

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REQ. NO. 8088

Lab Sample Number:	A2WLW			A2WLV			A2WM3		
Site	CECIL3			CECIL3			CECIL3		
Locator	CF8SB15			CF8SB16			CF8SB17		
Collect Date:	18-FEB-95			18-FEB-95			20-FEB-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	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
beta-BHC	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
delta-BHC	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
gamma-BHC (Lindane)	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Heptachlor	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Aldrin	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Heptachlor epoxide	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Endosulfan I	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Dieldrin	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDE	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endrin	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endosulfan II	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDD	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endosulfan sulfate	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
4,4-DDT	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Methoxychlor	1.7 J	ug/kg	20	1.1 J	ug/kg	20	28 U	ug/kg	28
Endrin ketone	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
Endrin aldehyde	3.9 U	ug/kg	3.9	3.9 UJ	ug/kg	3.9	5.3 U	ug/kg	5.3
alpha-Chlordane	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
gamma-Chlordane	2 U	ug/kg	2	1.9 UJ	ug/kg	1.9	2.8 U	ug/kg	2.8
Toxaphene	200 U	ug/kg	200	190 UJ	ug/kg	190	280 U	ug/kg	280
Aroclor-1016	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1221	78 U	ug/kg	78	77 UJ	ug/kg	77	110 U	ug/kg	110
Aroclor-1232	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1242	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1248	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1254	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53
Aroclor-1260	39 U	ug/kg	39	39 UJ	ug/kg	39	53 U	ug/kg	53

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

NAS CECIL FIELD OPERABLE UNIT 3 / SITE 8
SUBSURFACE SOIL -- METALS AND CYANIDE -- REQ. NO. 8089

Lab Sample Number:	A2WLW				A2WLV				A2WM3			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	3550	J	mg/kg	40	2470	J	mg/kg	40	781	J	mg/kg	40
Antimony	.47	U	mg/kg	12	.57	U	mg/kg	12	.9	J	mg/kg	12
Arsenic	1.2	U	mg/kg	20	1.2	U	mg/kg	20	1.6	U	mg/kg	20
Barium	5		mg/kg	40	4.5		mg/kg	40	2.6		mg/kg	40
Beryllium	.24	U	mg/kg	1	.23	U	mg/kg	1	.32	U	mg/kg	1
Cadmium	.24	U	mg/kg	1	.23	U	mg/kg	1	.32	U	mg/kg	1
Calcium	404		mg/kg	1000	804		mg/kg	1000	139	UJ	mg/kg	1000
Chromium	8.4	J	mg/kg	2	4.5	J	mg/kg	2	1.6	UJ	mg/kg	2
Cobalt	.24	UJ	mg/kg	10	.23	UJ	mg/kg	10	.32	UJ	mg/kg	10
Copper	1.4	U	mg/kg	5	.46	U	mg/kg	5	.64	U	mg/kg	5
Iron	446	J	mg/kg	20	354	J	mg/kg	20	729	J	mg/kg	20
Lead	4.2	J	mg/kg	.6	3.1	J	mg/kg	.6	4.3	J	mg/kg	.6
Magnesium	96.9		mg/kg	1000	93.6		mg/kg	1000	34.4	U	mg/kg	1000
Manganese	2.7		mg/kg	3	2.3		mg/kg	3	1.4	J	mg/kg	3
Mercury	.12	U	mg/kg	.1	.12	U	mg/kg	.1	.15	U	mg/kg	.1
Nickel	1.5		mg/kg	8	1.2		mg/kg	8	1		mg/kg	8
Potassium	73.2	U	mg/kg	1000	68.3	U	mg/kg	1000	19	U	mg/kg	1000
Selenium	.94	U	mg/kg	1	.92	U	mg/kg	1	1.3	U	mg/kg	1
Silver	.24	U	mg/kg	2	.23	U	mg/kg	2	.32	U	mg/kg	2
Sodium	14.1	UJ	mg/kg	1000	13.9	UJ	mg/kg	1000	21.9	U	mg/kg	1000
Thallium	1.4	UJ	mg/kg	2	1.4	UJ	mg/kg	2	1.9	UJ	mg/kg	2
Vanadium	2.9		mg/kg	10	2		mg/kg	10	1.9		mg/kg	10
Zinc	3.1	U	mg/kg	4	3.3	U	mg/kg	4	4	UJ	mg/kg	4
Cyanide	.51	U	mg/kg	.5	.57	U	mg/kg	.5	.73	U	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 OPERABLE UNIT 3 / SITE 8 REQ. NO. 7391
SUBSURFACE SOIL -- TOTAL PETROLEUM HYDROCARBONS

Lab Sample Number:	A2WM1				A2WM0				A2WN4			
Site	CECIL3				CECIL3				CECIL3			
Locator	CF8SB15				CF8SB16				CF8SB17			
Collect Date:	18-FEB-95				18-FEB-95				20-FEB-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Total petroleum hydrocarbons	18		mg/kg	12	27		mg/kg	12	110	J	mg/kg	16

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
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A59T5				A59T5F				A516F				A516G			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW12DD				CFBKMW12DDF				CFBKMW1S				CFBKMW1SR			
Collect Date:	28-JUN-95				28-JUN-95				12-JUN-95				12-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
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	U	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	U	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
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
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

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A59T5				A59T5F				A516F				A516G			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW12DD				CFBKMW12DDF				CFBKMW1S				CFBKMW1SR			
Collect Date:	28-JUN-95				28-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
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	-				1	J	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A59T5				A59T5F				A516F				A516G			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW12DD				CFBKMW12DDF				CFBKMW1S				CFBKMW1SR			
Collect Date:	28-JUN-95				28-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Aldrin	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	-				.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	-				5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	-				2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	-				1	UJ	ug/l	1	1	U	ug/l	1
CLP METALS AND CYANIDE																
Aluminum	3580	J	ug/l	200	584		ug/l	200	366	U	ug/l	200	90	U	ug/l	200
Antimony	3	U	ug/l	60	5.6	U	ug/l	60	3	U	ug/l	60	3	U	ug/l	60
Arsenic	3	U	ug/l	10	3	U	ug/l	10	3	UJ	ug/l	10	3	UJ	ug/l	10
Barium	17.5		ug/l	200	12.8		ug/l	200	10.1		ug/l	200	1	U	ug/l	200
Beryllium	3.3	J	ug/l	5	3.5	J	ug/l	5	1		ug/l	5	1	U	ug/l	5
Cadmium	3	U	ug/l	5	3	U	ug/l	5	1	U	ug/l	5	1	U	ug/l	5
Calcium	57900	J	ug/l	5000	43600	J	ug/l	5000	1190		ug/l	5000	46		ug/l	5000
Chromium	11.3		ug/l	10	2	U	ug/l	10	2	UJ	ug/l	10	2	UJ	ug/l	10
Cobalt	2.8		ug/l	50	2	U	ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Copper	4.8	U	ug/l	25	5.5	U	ug/l	25	2	U	ug/l	25	2	U	ug/l	25
Iron	3100	J	ug/l	100	566	J	ug/l	100	1280		ug/l	100	12	U	ug/l	100
Lead	3.5		ug/l	3	2	U	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3
Magnesium	24300		ug/l	5000	16400		ug/l	5000	832		ug/l	5000	9		ug/l	5000

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A59T5				A59T5F				A516F				A516G			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW12DD				CFBKMW12DDF				CFBKMW1S				CFBKMW1SR			
Collect Date:	28-JUN-95				28-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Manganese	110	J	ug/l	15	73.1		ug/l	15	2		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	3	U	ug/l	40	3	U	ug/l	40	3	U	ug/l	40
Potassium	2240		ug/l	5000	2160		ug/l	5000	155	U	ug/l	5000	46	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	21500	J	ug/l	5000	23100	J	ug/l	5000	7040		ug/l	5000	155		ug/l	5000
Thallium	4.3	J	ug/l	10	4.8	J	ug/l	10	4.7	U	ug/l	10	8.7		ug/l	10
Vanadium	8.5		ug/l	50	2.1		ug/l	50	2	U	ug/l	50	2	U	ug/l	50
Zinc	13	U	ug/l	20	22		ug/l	20	12.1	U	ug/l	20	4	U	ug/l	20
Cyanide	2	U	ug/l	10	-				2	U	ug/l	10	4.3		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
TOTAL PETROLEUM HYDROCARBONS -- GROUNDWATER REQ.NO. 7467

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
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A516GF				A516H				A516D				A516E			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1SRF				CFBKMW1ST				CFBKMW2S				CFBKMW3I			
Collect Date:	12-JUN-95				12-JUN-95				12-JUN-95				12-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
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	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
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
CLP SEMIVOLATILES 90-SOW																
Phenol	-				-				10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Chlorophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
1,3-Dichlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A516GF				A516H				A516D				A516E			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1SRF				CFBKMW1ST				CFBKMW2S				CFBKMW3I			
Collect Date:	12-JUN-95				12-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol	-				-				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
4-Methylphenol	-				-				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
Hexachloroethane	-				-				10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
Isophorone	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol	-				-				10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethoxy) methane	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
Naphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
2-Chloronaphthalene	-				-				10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline	-				-				25	U	ug/l	25	25	U	ug/l	25
Dimethylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Acenaphthylene	-				-				10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene	-				-				10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline	-				-				25	U	ug/l	25	25	U	ug/l	25
Acenaphthene	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
Dibenzofuran	-				-				10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	-				-				10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	-				-				10	U	ug/l	10	10	U	ug/l	10
Fluorene	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	-				-				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
N-Nitrosodiphenylamine (1)	-				-				10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	-				-				10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	-				-				10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	-				-				25	U	ug/l	25	25	U	ug/l	25
Phenanthrene	-				-				10	U	ug/l	10	10	U	ug/l	10
Anthracene	-				-				10	U	ug/l	10	10	U	ug/l	10
Carbazole	-				-				10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Pyrene	-				-				10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (a) anthracene	-				-				10	U	ug/l	10	10	U	ug/l	10
Chrysene	-				-				10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-				-				10	U	ug/l	10	10	U	ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A516GF				A516H				A516D				A516E			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1SRF				CFBKMW1ST				CFBKMW2S				CFBKMW3I			
Collect Date:	12-JUN-95				12-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Di-n-octylphthalate	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	-				-				10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	-				-				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
Dibenzo (a,h) anthracene	-				-				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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
beta-BHC	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
delta-BHC	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Aldrin	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Heptachlor epoxide	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Endosulfan I	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Dieldrin	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDE	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan II	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	-				-				.1	UJ	ug/l	.1	.03	R	ug/l	.1
4,4-DDT	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Methoxychlor	-				-				.5	UJ	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	-				-				.1	UJ	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	-				-				.05	UJ	ug/l	.05	.05	U	ug/l	.05
Toxaphene	-				-				5	UJ	ug/l	5	5	U	ug/l	5
Aroclor-1016	-				-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1221	-				-				2	UJ	ug/l	2	2	U	ug/l	2
Aroclor-1232	-				-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1242	-				-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1248	-				-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1254	-				-				1	UJ	ug/l	1	1	U	ug/l	1
Aroclor-1260	-				-				1	UJ	ug/l	1	1	U	ug/l	1
CLP METALS AND CYANIDE																
Aluminum	95.1		ug/l	200	-				52000		ug/l	200	614		ug/l	200
Antimony	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
Barium	1	U	ug/l	200	-				47.6		ug/l	200	41.8		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	57.7		ug/l	5000	-				1520		ug/l	5000	3260		ug/l	5000
Chromium	2	UJ	ug/l	10	-				35.3		ug/l	10	2	UJ	ug/l	10
Cobalt	2	U	ug/l	50	-				5.8		ug/l	50	2	U	ug/l	50
Copper	2	U	ug/l	25	-				7.5	U	ug/l	25	2	U	ug/l	25
Iron	12	U	ug/l	100	-				14400		ug/l	100	832		ug/l	100
Lead	2	UJ	ug/l	3	-				17.7		ug/l	3	2	UJ	ug/l	3
Magnesium	10.2		ug/l	5000	-				1990		ug/l	5000	1030		ug/l	5000

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A516GF				A516H				A516D				A516E			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW1SRF				CFBKMW1ST				CFBKMW2S				CFBKMW3I			
Collect Date:	12-JUN-95				12-JUN-95				12-JUN-95				12-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Manganese	1	U	ug/l	15	-				10.4		ug/l	15	3.5		ug/l	15
Mercury	.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
Potassium	46	U	ug/l	5000	-				788		ug/l	5000	527	U	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	540		ug/l	5000	-				6330		ug/l	5000	7400		ug/l	5000
Thallium	5.8	J	ug/l	10	-				8.9	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
Zinc	4.6		ug/l	20	-				23.7		ug/l	20	10.5	U	ug/l	20
Cyanide	-				-				10	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
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A4XTR				A4XTT				A4XTV				A51KW			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD				CFBKMW4ST				CFBKMW5S			
Collect Date:	07-JUN-95				07-JUN-95				07-JUN-95				13-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	U	ug/l	2	2	R	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	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
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

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A4XTR				A4XTT				A4XTV				A51KW			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD				CFBKMW4ST				CFBKMW5S			
Collect Date:	07-JUN-95				07-JUN-95				07-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
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	.8	J	ug/l	10	10	U	ug/l	10	-				10	U	ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A4XTR				A4XTT				A4XTV				A51KW			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD				CFBKMW4ST				CFBKMW5S			
Collect Date:	07-JUN-95				07-JUN-95				07-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
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	.048	R	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
CLP METALS AND CYANIDE																
Aluminum	310	U	ug/l	200	277	U	ug/l	200	-				193	U	ug/l	200
Antimony	3	U	ug/l	60	3	U	ug/l	60	-				3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	3	UJ	ug/l	10	-				3	UJ	ug/l	10
Barium	9.3		ug/l	200	8.2		ug/l	200	-				6.8		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	1390		ug/l	5000	2160		ug/l	5000	-				165	U	ug/l	5000
Chromium	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
Copper	121		ug/l	25	3.1	U	ug/l	25	-				2	U	ug/l	25
Iron	275		ug/l	100	289		ug/l	100	-				337		ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	-				2	UJ	ug/l	3
Magnesium	839		ug/l	5000	825		ug/l	5000	-				716		ug/l	5000

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A4XTR				A4XTT				A4XTV				A51KW			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD				CFBKMW4ST				CFBKMW5S			
Collect Date:	07-JUN-95				07-JUN-95				07-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Manganese	1	U	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
Nickel	3	U	ug/l	40	3	U	ug/l	40	-				3	U	ug/l	40
Potassium	138	U	ug/l	5000	101	U	ug/l	5000	-				80.1	U	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	6420		ug/l	5000	6580		ug/l	5000	-				4150		ug/l	5000
Thallium	8.2	U	ug/l	10	9.2	U	ug/l	10	-				9.6	U	ug/l	10
Vanadium	2	U	ug/l	50	2	U	ug/l	50	-				2	U	ug/l	50
Zinc	6.5	U	ug/l	20	15.2	U	ug/l	20	-				25.6		ug/l	20
Cyanide	3.5	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 [illegible]ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L7				A50D6				A50D6F				A50D7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW6I				CFBKMW7S				CFBKMW7SF				CFBKMW7ST			
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 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	-				2		ug/l	2
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)	4		ug/l	2	1	U	ug/l	1	-				1	U	ug/l	1
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	-				-			
bis(2-Chloroethyl) ether	10	U	ug/l	10	10	U	ug/l	10	-				-			
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	-				-			
1,3-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	-				-			
1,4-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10	-				-			

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L7				A50D6				A50D6F				A50D7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW6I				CFBKMW7S				CFBKMW7SF				CFBKMW7ST			
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
1,2-Dichlorobenzene	10	U	ug/l	10	10	U	ug/l	10		-				-		
2-Methylphenol	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		-				-		
4-Methylphenol	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		-				-		
Hexachloroethane	10	U	ug/l	10	10	U	ug/l	10		-				-		
Nitrobenzene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Isophorone	10	U	ug/l	10	10	U	ug/l	10		-				-		
2-Nitrophenol	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4-Dimethylphenol	10	U	ug/l	10	10	U	ug/l	10		-				-		
bis(2-Chloroethoxy) methane	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10		-				-		
1,2,4-Trichlorobenzene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Naphthalene	10	U	ug/l	10	10	U	ug/l	10		-				-		
4-Chloroaniline	10	U	ug/l	10	10	U	ug/l	10		-				-		
Hexachlorobutadiene	10	U	ug/l	10	10	U	ug/l	10		-				-		
4-Chloro-3-methylphenol	10	U	ug/l	10	10	U	ug/l	10		-				-		
2-Methylnaphthalene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Hexachlorocyclopentadiene	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4,6-Trichlorophenol	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4,5-Trichlorophenol	25	U	ug/l	25	25	U	ug/l	25		-				-		
2-Chloronaphthalene	10	U	ug/l	10	10	U	ug/l	10		-				-		
2-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25		-				-		
Dimethylphthalate	10	U	ug/l	10	10	U	ug/l	10		-				-		
Acenaphthylene	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,6-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10		-				-		
3-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25		-				-		
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25		-				-		
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25		-				-		
Dibenzofuran	10	U	ug/l	10	10	U	ug/l	10		-				-		
2,4-Dinitrotoluene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10		-				-		
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10		-				-		
Fluorene	10	U	ug/l	10	10	U	ug/l	10		-				-		
4-Nitroaniline	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		-				-		
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10		-				-		
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10		-				-		
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25		-				-		
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Anthracene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Carbazole	10	U	ug/l	10	10	U	ug/l	10		-				-		
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10		-				-		
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Pyrene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10		-				-		
3,3-Dichlorobenzidine	10	U	ug/l	10	10	U	ug/l	10		-				-		
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10		-				-		
Chrysene	10	U	ug/l	10	10	U	ug/l	10		-				-		
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	10	U	ug/l	10		-				-		

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L7				A50D6				A50D6F				A50D7			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW6I				CFBKMW7S				CFBKMW7SF				CFBKMW7ST			
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
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	-				-			
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	-				-			
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	-				-			
Benzo (a) pyrene	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	-				-			
Dibenzo (a,h) anthracene	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	-				-			
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
beta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
delta-BHC	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Heptachlor	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Aldrin	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Endosulfan I	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Dieldrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
4,4-DDE	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
Endrin	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
Endosulfan II	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
4,4-DDD	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
4,4-DDT	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
Methoxychlor	.5	UJ	ug/l	.5	.5	UJ	ug/l	.5	-				-			
Endrin ketone	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
Endrin aldehyde	.1	UJ	ug/l	.1	.1	UJ	ug/l	.1	-				-			
alpha-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
gamma-Chlordane	.05	UJ	ug/l	.05	.05	UJ	ug/l	.05	-				-			
Toxaphene	5	UJ	ug/l	5	5	UJ	ug/l	5	-				-			
Aroclor-1016	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
Aroclor-1221	2	UJ	ug/l	2	2	UJ	ug/l	2	-				-			
Aroclor-1232	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
Aroclor-1242	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
Aroclor-1248	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
Aroclor-1254	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
Aroclor-1260	1	UJ	ug/l	1	1	UJ	ug/l	1	-				-			
CLP METALS AND CYANIDE																
Aluminum	257	U	ug/l	200	2530		ug/l	200	879		ug/l	200	-			
Antimony	3	U	ug/l	60	3	U	ug/l	60	8.9		ug/l	60	-			
Arsenic	3	UJ	ug/l	10	4.8	J	ug/l	10	3	UJ	ug/l	10	-			
Barium	8.2		ug/l	200	35.7		ug/l	200	22.6		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	1100		ug/l	5000	2910		ug/l	5000	2290		ug/l	5000	-			
Chromium	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	-			
Copper	2	U	ug/l	25	2.3	U	ug/l	25	3.8		ug/l	25	-			
Iron	74.6	J	ug/l	100	3390		ug/l	100	1310		ug/l	100	-			
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	2	UJ	ug/l	3	-			
Magnesium	435		ug/l	5000	508		ug/l	5000	593		ug/l	5000	-			

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L7				A50D6				A50D6F				A50D7		
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND		
Locator	CFBKMW6I				CFBKMW7S				CFBKMW7SF				CFBKMW7ST		
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
Manganese	1	U	ug/l	15	6.5		ug/l	15	7		ug/l	15	-			
Mercury	.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	-			
Potassium	143	U	ug/l	5000	302	U	ug/l	5000	201	U	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	5210		ug/l	5000	7320		ug/l	5000	8580		ug/l	5000	-			
Thallium	9.2	U	ug/l	10	6.9	U	ug/l	10	7.4	U	ug/l	10	-			
Vanadium	2	U	ug/l	50	10.7	U	ug/l	50	3.2	U	ug/l	50	-			
Zinc	10.6	U	ug/l	20	7.8	U	ug/l	20	26.6		ug/l	20	-			
Cyanide	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
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A50D5				A50D4				A50D4MS				A50D4MSD			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW8S				CFBKMW9I				CFBKMW9IMS				CFBKMW9IMSD			
Collect Date:	09-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 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	9		ug/l	2	11		ug/l	2
1,1-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethene (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chloroform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
2-Butanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
1,1,1-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Carbon tetrachloride	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromodichloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,2-Dichloropropane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
cis-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Trichloroethene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
Dibromochloromethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
1,1,2-Trichloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Benzene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
trans-1,3-Dichloropropene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Bromoform	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
4-Methyl-2-pentanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
2-Hexanone	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Tetrachloroethene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toluene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	11		ug/l	2
1,1,2,2-Tetrachloroethane	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Chlorobenzene	1	U	ug/l	1	1	U	ug/l	1	10		ug/l	2	10		ug/l	2
Ethylbenzene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Styrene	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Xylenes (total)	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
CLP SEMIVOLATILES 90-SOW																
Phenol	10	U	ug/l	10	10	U	ug/l	10	63		ug/l	10	65		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	63		ug/l	10	65		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	40		ug/l	10	40		ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A50D5				A50D4				A50D4MS				A50D4MSD			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW8S				CFBKMW9I				CFBKMW9IMS				CFBKMW9IMSD			
Collect Date:	09-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
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	39		ug/l	10	41		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	39		ug/l	10	41		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	68		ug/l	10	73		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	36		ug/l	10	37		ug/l	10
2,4-Dinitrophenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4-Nitrophenol	25	U	ug/l	25	25	U	ug/l	25	65		ug/l	25	74		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	40		ug/l	10	41		ug/l	10
Diethylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25	25	U	ug/l	25
N-Nitrosodiphenylamine (1)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	25	U	ug/l	25	25	U	ug/l	25	65		ug/l	25	70		ug/l	25
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Carbazole	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	35		ug/l	10	36		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	1	J	ug/l	10	3	J	ug/l	10

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A50D5				A50D4				A50D4MS				A50D4MSD			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW8S				CFBKMW9I				CFBKMW9IMS				CFBKMW9IMSD			
Collect Date:	09-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
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	2	J	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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
beta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
delta-BHC	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-BHC (Lindane)	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.56		ug/l	.05	.56		ug/l	.05
Heptachlor	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.34		ug/l	.05	.4		ug/l	.05
Aldrin	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.29		ug/l	.05	.36		ug/l	.05
Heptachlor epoxide	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.016	J	ug/l	.05	.0064	J	ug/l	.05
Endosulfan I	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Dieldrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.95		ug/l	.1	1		ug/l	.1
4,4-DDE	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin	.1	UJ	ug/l	.1	.1	U	ug/l	.1	1.1		ug/l	.1	1.2		ug/l	.1
Endosulfan II	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDD	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endosulfan sulfate	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
4,4-DDT	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.54		ug/l	.1	.68		ug/l	.1
Methoxychlor	.5	UJ	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Endrin ketone	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
Endrin aldehyde	.1	UJ	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1
alpha-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
gamma-Chlordane	.05	UJ	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05	.05	U	ug/l	.05
Toxaphene	5	UJ	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Aroclor-1016	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221	2	UJ	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1242	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1260	1	UJ	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
CLP METALS AND CYANIDE																
Aluminum	3910		ug/l	200	180	U	ug/l	200	-				-			
Antimony	3	U	ug/l	60	3	U	ug/l	60	-				-			
Arsenic	3	UJ	ug/l	10	3	UJ	ug/l	10	-				-			
Barium	16.6		ug/l	200	7.1		ug/l	200	-				-			
Beryllium	1	U	ug/l	5	1	U	ug/l	5	-				-			
Cadmium	1	U	ug/l	5	1	U	ug/l	5	-				-			
Calcium	2090		ug/l	5000	56.7	U	ug/l	5000	-				-			
Chromium	2	UJ	ug/l	10	2	UJ	ug/l	10	-				-			
Cobalt	2	U	ug/l	50	2	U	ug/l	50	-				-			
Copper	5.7	U	ug/l	25	2		ug/l	25	-				-			
Iron	1220		ug/l	100	397		ug/l	100	-				-			
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	-				-			
Magnesium	779		ug/l	5000	384		ug/l	5000	-				-			

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A50D5				A50D4				A50D4MS				A50D4MSD			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW8S				CFBKMW91				CFBKMW91MS				CFBKMW91MSD			
Collect Date:	09-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
Manganese	1.1		ug/l	15	1	U	ug/l	15	-				-			
Mercury	.2	U	ug/l	.2	.2	U	ug/l	.2	-				-			
Nickel	3	U	ug/l	40	3	U	ug/l	40	-				-			
Potassium	157	U	ug/l	5000	192	U	ug/l	5000	-				-			
Selenium	4	U	ug/l	5	4	U	ug/l	5	-				-			
Silver	1	U	ug/l	10	1	U	ug/l	10	-				-			
Sodium	3150		ug/l	5000	2410	U	ug/l	5000	-				-			
Thallium	6.6	U	ug/l	10	7.5	U	ug/l	10	-				-			
Vanadium	3.2	U	ug/l	50	2	U	ug/l	50	-				-			
Zinc	11.4	U	ug/l	20	4	U	ug/l	20	-				-			
Cyanide	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
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L9				A51LA				A51LE				A51L3			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW10D				CFBKMW10DD				CFBKMW10T				CFBKMW11D			
Collect Date:	13-JUN-95				13-JUN-95				13-JUN-95				13-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
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

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L9				A51LA				A51LE				A51L3			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW10D				CFBKMW10DD				CFBKMW10T				CFBKMW11D			
Collect Date:	13-JUN-95				13-JUN-95				13-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
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	7	J	ug/l	10	3	J	ug/l	10	-				1	J	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
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	.05	U	ug/l	.05	.05	U	ug/l	.05	-				.05	U	ug/l	.05

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L9				A51LA				A51LE				A51L3			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW10D				CFBKMW10DD				CFBKMW10T				CFBKMW11D			
Collect Date:	13-JUN-95				13-JUN-95				13-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	.0041	R	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	.018	R	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	.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
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
CLP METALS AND CYANIDE																
Aluminum	90	U	ug/l	200	232	U	ug/l	200	-				231	U	ug/l	200
Antimony	3	U	ug/l	60	3	U	ug/l	60	-				3	U	ug/l	60
Arsenic	3	UJ	ug/l	10	3	UJ	ug/l	10	-				3	UJ	ug/l	10
Barium	28.4		ug/l	200	28.1		ug/l	200	-				22.5		ug/l	200
Beryllium	1	U	ug/l	5	1	U	ug/l	5	-				1.1		ug/l	5
Cadmium	1	U	ug/l	5	1	U	ug/l	5	-				1	U	ug/l	5
Calcium	73500		ug/l	5000	69900		ug/l	5000	-				38800		ug/l	5000
Chromium	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
Copper	3.8	U	ug/l	25	8	U	ug/l	25	-				4	U	ug/l	25
Iron	518		ug/l	100	586		ug/l	100	-				67.3	J	ug/l	100
Lead	2	UJ	ug/l	3	2	UJ	ug/l	3	-				2	UJ	ug/l	3
Magnesium	33500		ug/l	5000	31000		ug/l	5000	-				6750		ug/l	5000
Manganese	73.1		ug/l	15	69.7		ug/l	15	-				22.6		ug/l	15
Mercury	.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
Potassium	1060		ug/l	5000	1040		ug/l	5000	-				1120		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	4910		ug/l	5000	5780		ug/l	5000	-				7690		ug/l	5000
Thallium	7.2	U	ug/l	10	9.4	U	ug/l	10	-				7.2	U	ug/l	10
Vanadium	2	U	ug/l	50	2	U	ug/l	50	-				2	U	ug/l	50
Zinc	17.3	U	ug/l	20	54		ug/l	20	-				47.9		ug/l	20

NAS CECIL FIELD -- BACKGROUND
ALL FRACTIONS / GROUNDWATER REQ.NO. 6442

Lab Sample Number:	A51L9				A51LA				A51LE				A51L3			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW10D				CFBKMW10DD				CFBKMW10T				CFBKMW11D			
Collect Date:	13-JUN-95				13-JUN-95				13-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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
TOTAL ORGANIC CARBON

Lab Sample Number:	A5D1800060			A5D1800060			A5D1800060			A5D0600280		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBSB12DD(117-122)			CFBSB12DD(88-92)			CFBSB12DD(98-101)			CFBSB12DD15		
Collect Date:	14-APR-95			14-APR-95			14-APR-95			04-APR-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC												
Total organic carbon	2400	mg/kg	280	2000	mg/kg	120	2600	mg/kg	150	4900	mg/kg	130

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

NAS CECIL FIELD -- BACKGROUND
TOTAL ORGANIC CARBON

Lab Sample Number:	A5D0600280			A5D0600280			A5D0600280			A5D0400210		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBSB12DD35			CFBSB12DD55			CFBSB12DD72			CFBSB2		
Collect Date:	04-APR-95			04-APR-95			04-APR-95			02-APR-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC												
Total organic carbon	2100	mg/kg	120	1600	mg/kg	120	2300	mg/kg	120	6200	mg/kg	130

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

NAS CECIL FIELD -- BACKGROUND
TOTAL ORGANIC CARBON

Lab Sample Number:	A5D0400210			A5D0400180		
Site	CECILBKGRND			CECILBKGRND		
Locator	CFBSB5			CFBSB7		
Collect Date:	03-APR-95			03-APR-95		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC						
Total organic carbon	930	mg/kg	120	3200	mg/kg	120

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

NAS CECIL FIELD -- BACKGROUND GROUNDWATER
RADIOLOGICAL DATA

Lab Sample Number:	8600003			8600004			8621001			8600002		
Site	CECILBKGRND			CECILBKGRND			CECILBKGRND			CECILBKGRND		
Locator	CFBKMW1S			CFBKMW1SR			CFBKMW2S			CFBKMW3I		
Collect Date:	12-JUN-95			12-JUN-95			12-JUN-95			12-JUN-95		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Gross alpha	29.1	pCi/l	5	-.38 U	pCi/l	-.38	62.2	pCi/l	5	1.94 U	pCi/l	1.94
Gross beta	3.8 U	pCi/l	3.8	.04 U	pCi/l	.04	2.98	pCi/l	3	2.21 U	pCi/l	2.21
Cesium-137	11.9 U	pCi/l	11.9	10 U	pCi/l	10	9.75 U	pCi/l	9.75	17.6 U	pCi/l	17.6
Radium-224	-			-			-			-		
Americium-241	-			-			-			-		
Cobalt-60	-			-			-			-		
Potassium-40	36.3	pCi/l		-			-			-		

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R [illegible]ULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- BACKGROUND GROUNDWATER
RADIOLOGICAL DATA

Lab Sample Number:	8578001				8578002				8609001				8609003			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW4S				CFBKMW4SD				CFBKMW5S				CFBKMW6I			
Collect Date:	07-JUN-95				07-JUN-95				13-JUN-95				13-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Gross alpha	4.78		pCi/l	5	3.82		pCi/l	5	3.25		pCi/l	5	1.06		pCi/l	5
Gross beta	4.97	J	pCi/l	3	3.05	J	pCi/l	3	.67	U	pCi/l	.67	.98		pCi/l	3
Cesium-137	11	U	pCi/l	11	10.9	U	pCi/l	10.9	10.2	U	pCi/l	10.2	17.8	U	pCi/l	17.8
Radium-224	578		pCi/l		-				-				-			
Americium-241	-				-				-				-			
Cobalt-60	-				-				-				-			
Potassium-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 GROUNDWATER
RADIOLOGICAL DATA

Lab Sample Number:	8587003				8587001				8587002				8587002MS			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW7S				CFBKMW8S				CFBKMW9I				CFBKMW9IMS			
Collect Date:	09-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
Gross alpha	8.06		pCi/l	5	3.21		pCi/l	5	.98	U	pCi/l	.98	103		pCi/l	
Gross beta	11.2		pCi/l	3	1.5	U	pCi/l	1.5	1.97	U	pCi/l	1.97	109		pCi/l	
Cesium-137	9.32		pCi/l	20	17.6	U	pCi/l	17.6	11.7	U	pCi/l	11.7	116		%REC	
Radium-224	-				-				-				-			
Americium-241	-				-				-				71		%REC	
Cobalt-60	-				-				-				102		%REC	
Potassium-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 GROUNDWATER
RADIOLOGICAL DATA

Lab Sample Number:	8587002MSD
Site	CECILBKGRND
Locator	CFBKMW9IMSD
Collect Date:	09-JUN-95

	VALUE	QUAL	UNITS	DL
Gross alpha	153		pCi/l	
Gross beta	97		pCi/l	
Cesium-137	98		%REC	
Radium-224	-			
Americium-241	115		%REC	
Cobalt-60	102		%REC	
Potassium-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 GROUNDWATER
RADIOLOGICAL DATA

Lab Sample Number:	8609004				8609005				8609002				8753001			
Site	CECILBKGRND				CECILBKGRND				CECILBKGRND				CECILBKGRND			
Locator	CFBKMW10D				CFBKMW10DD				CFBKMW11D				CFBKMW12DD			
Collect Date:	13-JUN-95				13-JUN-95				13-JUN-95				28-JUN-95			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Gross alpha	1.73	J	pCi/l	5	2.53	J	pCi/l	5	.7	U	pCi/l	.7	7.86		pCi/l	5
Gross beta	.72	U	pCi/l	.72	1.05		pCi/l	3	.82	U	pCi/l	.82	4.31		pCi/l	3
Cesium-137	13	U	pCi/l	13	12.6	U	pCi/l	12.6	9.38	U	pCi/l	9.38	10.3	U	pCi/l	10.3
Radium-224	-				-				-				-			
Americium-241	-				-				-				-			
Cobalt-60	-				-				-				-			
Potassium-40	-				-				-				-			

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 AND SOIL BORING LOGS

Section 4.1

Physical Parameters and Gradation Curves

SUMMARY OF LABORATORY TEST RESULTS

PROJECT: NAS Cecil Field - P.O. No. 8520.22
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
CF7SS4	1-3	83.7	76.5	9.5	No LL	Non-Plastic		6.6
CF7SS20	1-3	85.8	81.2	5.6	No LL	Non-Plastic		6.5

SUMMARY OF GRADATION TEST RESULTS

PROJECT: NAS Cecil Field - P.O. No. 8520.22
CLIENT: ABB Environmental Services
PROJECT NO.: 93-1361

GRADATION TEST

Boring/ Sample No.	Sample Depth (ft.)	% Passing No. 10	No. 20	No. 40	No. 60	No. 80	No.100	No.140	No.200
CF7SS4		100.0	99.9	99.5	96.3	61.9	42.4	16.1	9.5
CF7SS20		100.0	100.0	99.3	95.8	52.6	33.6	10.8	6.2

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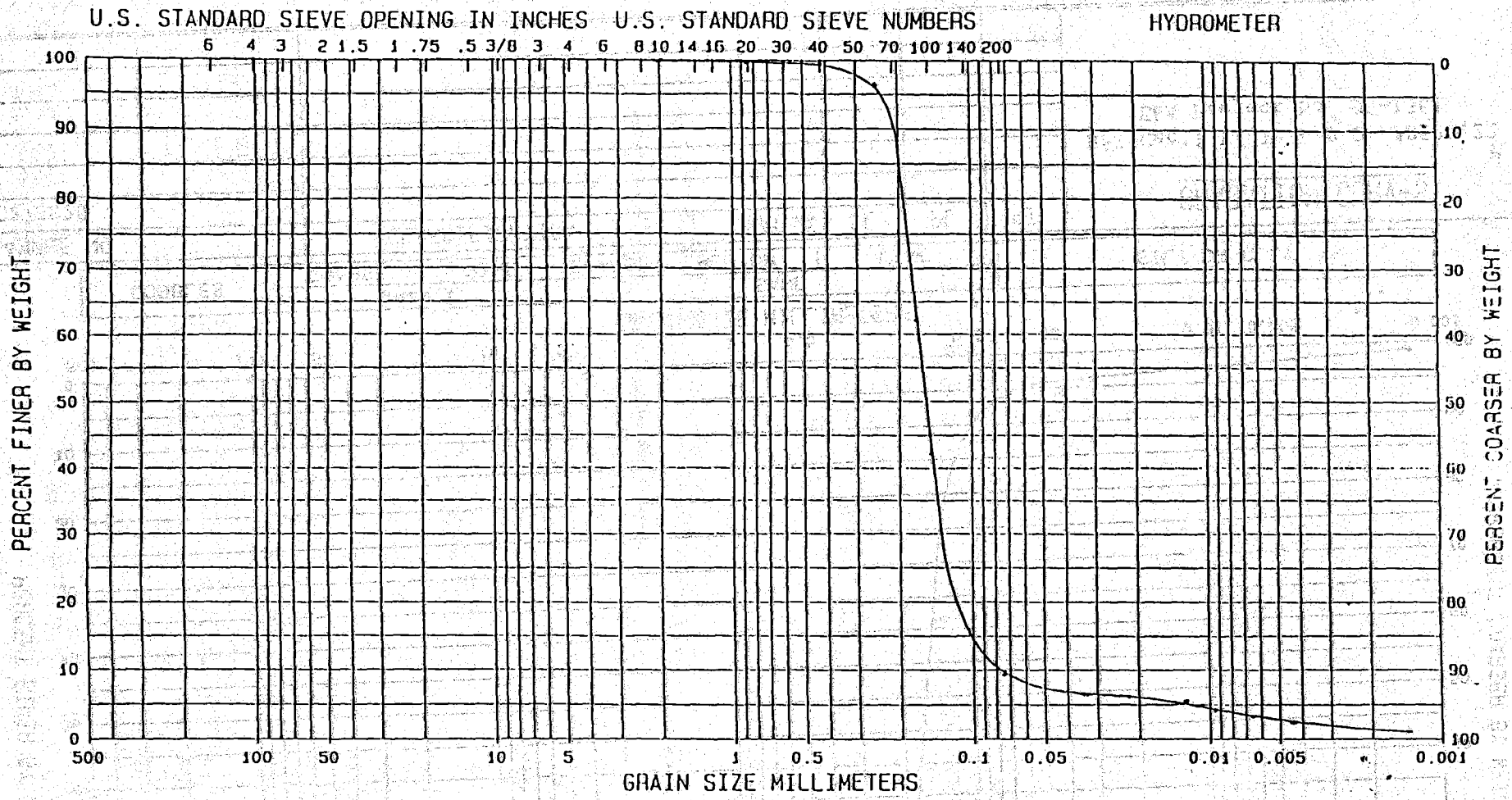


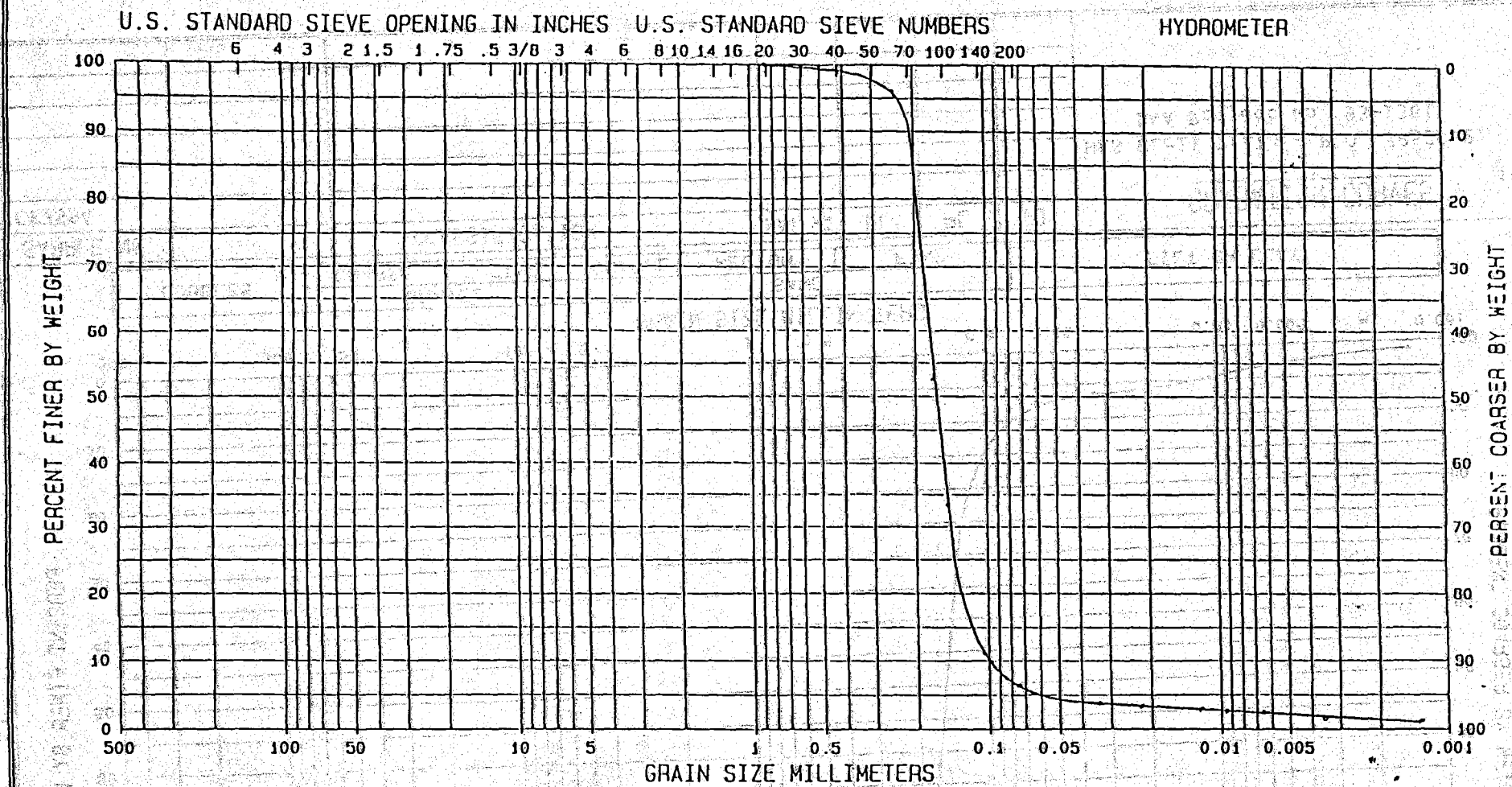
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SS4						

GRADATION CURVES

NAS Cecil Field - P.O. #8520.22
E&A Project No. 93-1361

ELLIS & ASSOCIATES, INC.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SS20						

GRADATION CURVES

NAS Cecil Field - P.O. #8520.22
E&A Project No. 93-1361

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Telephone (305) 972-3255 • Fax #: (305) 972-7885

REPORT NUMBER
F055-5S

STEVE WEAVER
SEND TO:
ELLIS AND ASSOCIATES, INC
5109 STEPP AVE
JACKSONVILLE, FL. 32216

GROWER: P O # 7556

SAMPLES SUBMITTED BY: SAME

DATE: 2-24-95 PAGE: 1

LAB NUMBER:	M0048	M0049
SAMPLE ID:	CF7554 SITE 7 SOIL	CF75520 SITE 7 SOIL
CATION EXCHANGE CAPACITY	3.0 MEQ/100 G	1.6 MEQ/100 G

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

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SUMMARY OF GRADATION TEST RESULTS

PROJECT: NAS - Cecil Field - ABB Project No. 8520.22
CLIENT: ABB Environmental Services
PROJECT NO.: 93-1361

Boring/ Sample No.	Sample Depth (ft.)	GRADATION TEST % Passing 1"	1/2"	No. 4	No. 10	No. 20	No. 40	No.60	No. 80	No.100	No.140	No.200
CF7SSB40	(90-92)	100.0	90.3	84.3	79.1	69.1	58.2	51.0	46.3	44.6	41.9	39.8
CF8SSB22	(6-8)	100.0	100.0	100.0	99.7	99.5	98.6	93.1	46.0	31.4	12.8	8.6
CF8SSB22	(18-20)	100.0	100.0	100.0	100.0	100.0	99.9	99.6	48.7	28.8	8.1	6.1
CF8SSB22	(44-46)	100.0	100.0	100.0	100.0	99.9	99.1	96.8	66.7	35.9	9.6	7.1
CF8SSB22	(60-62)	100.0	100.0	100.0	99.9	99.8	95.0	83.2	33.8	19.2	7.0	5.1
CF8SSB22	(80-82)	75.8	60.7	51.2	43.5	37.1	31.7	27.0	23.3	21.9	19.0	16.9
CF8SSB22	(90-92)	91.4	90.5	85.8	78.7	68.6	59.2	45.4	31.5	28.6	24.1	21.8

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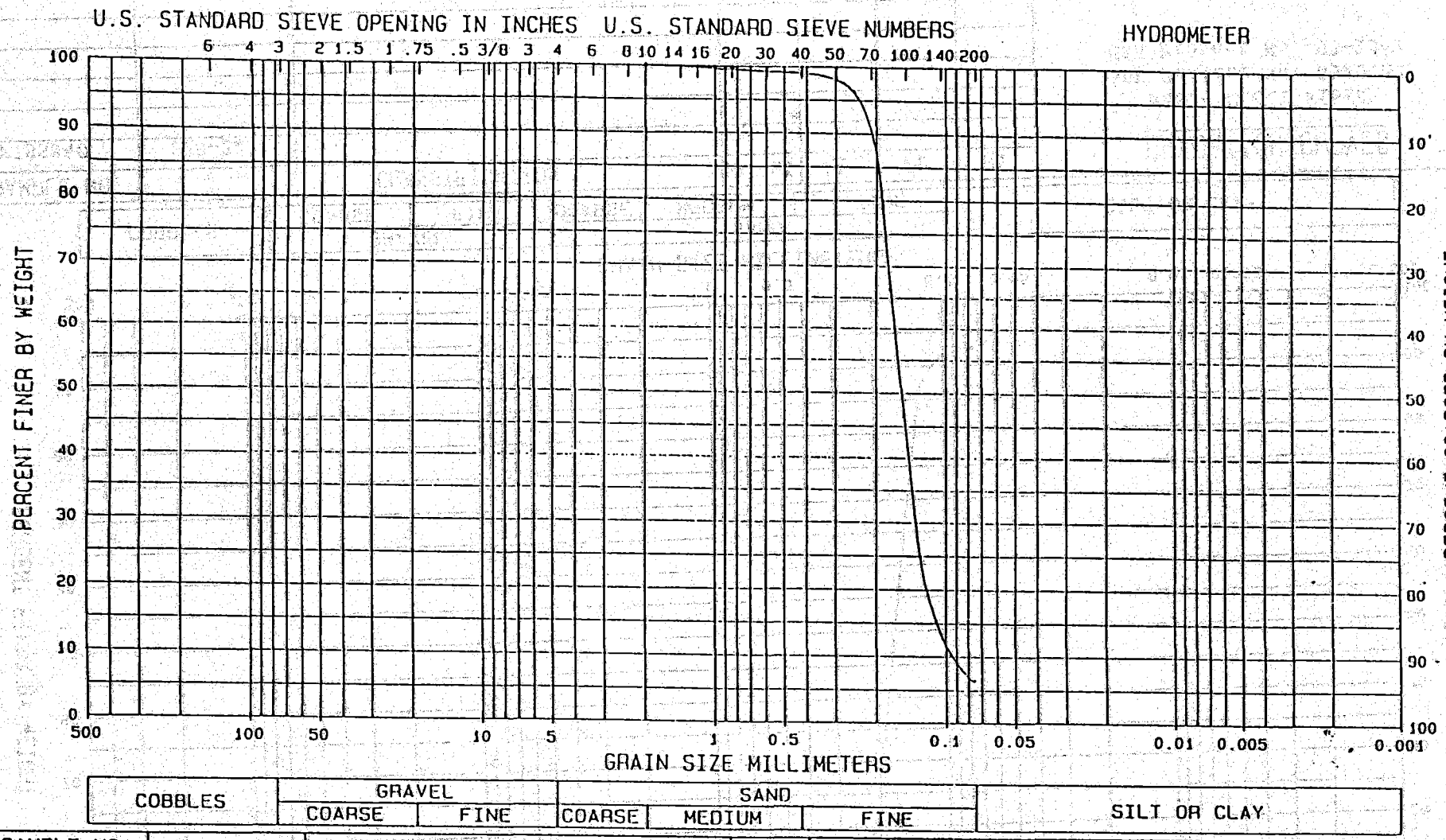

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SSB40	(6-8)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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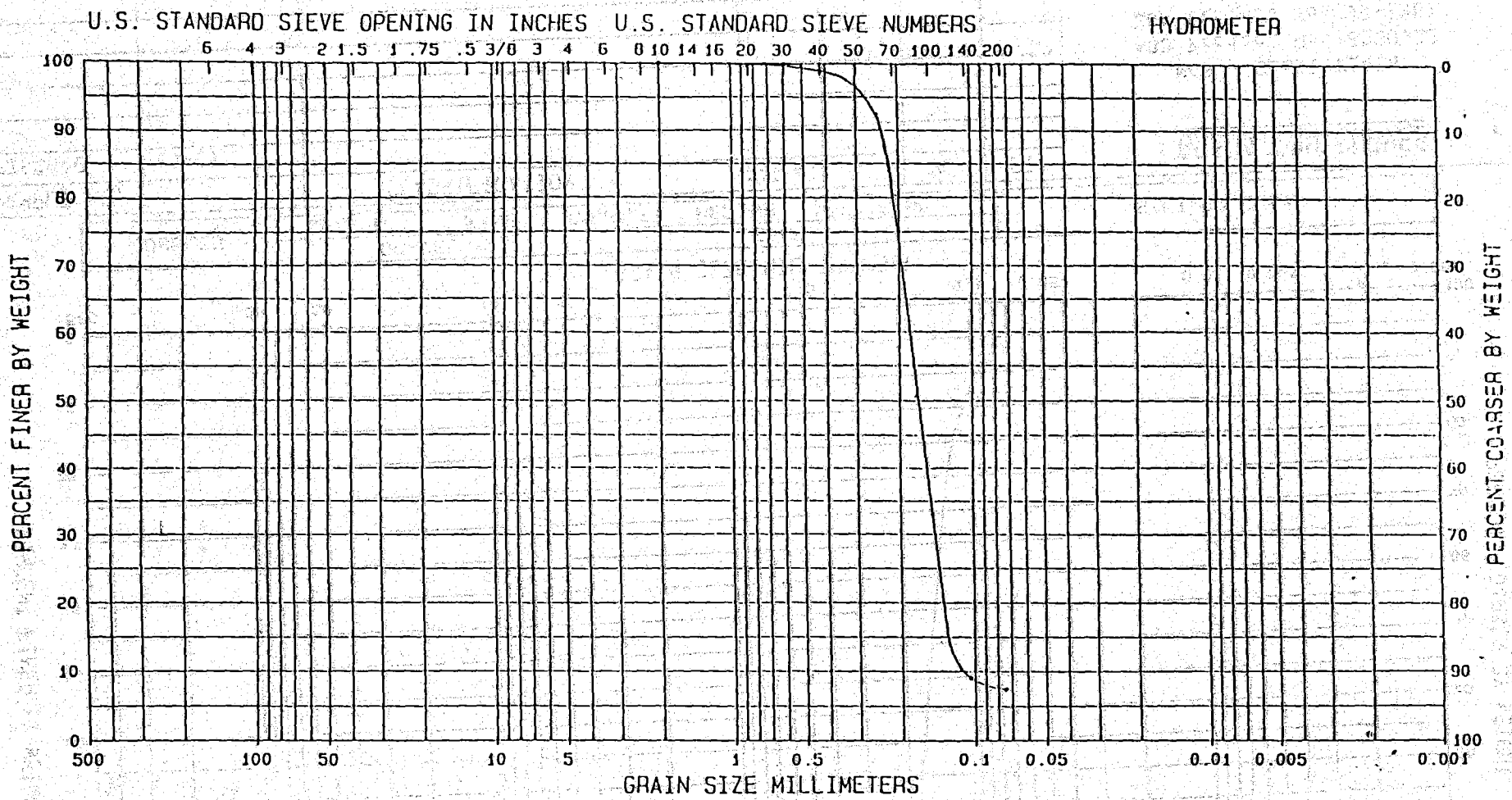

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SSB40	(20-22)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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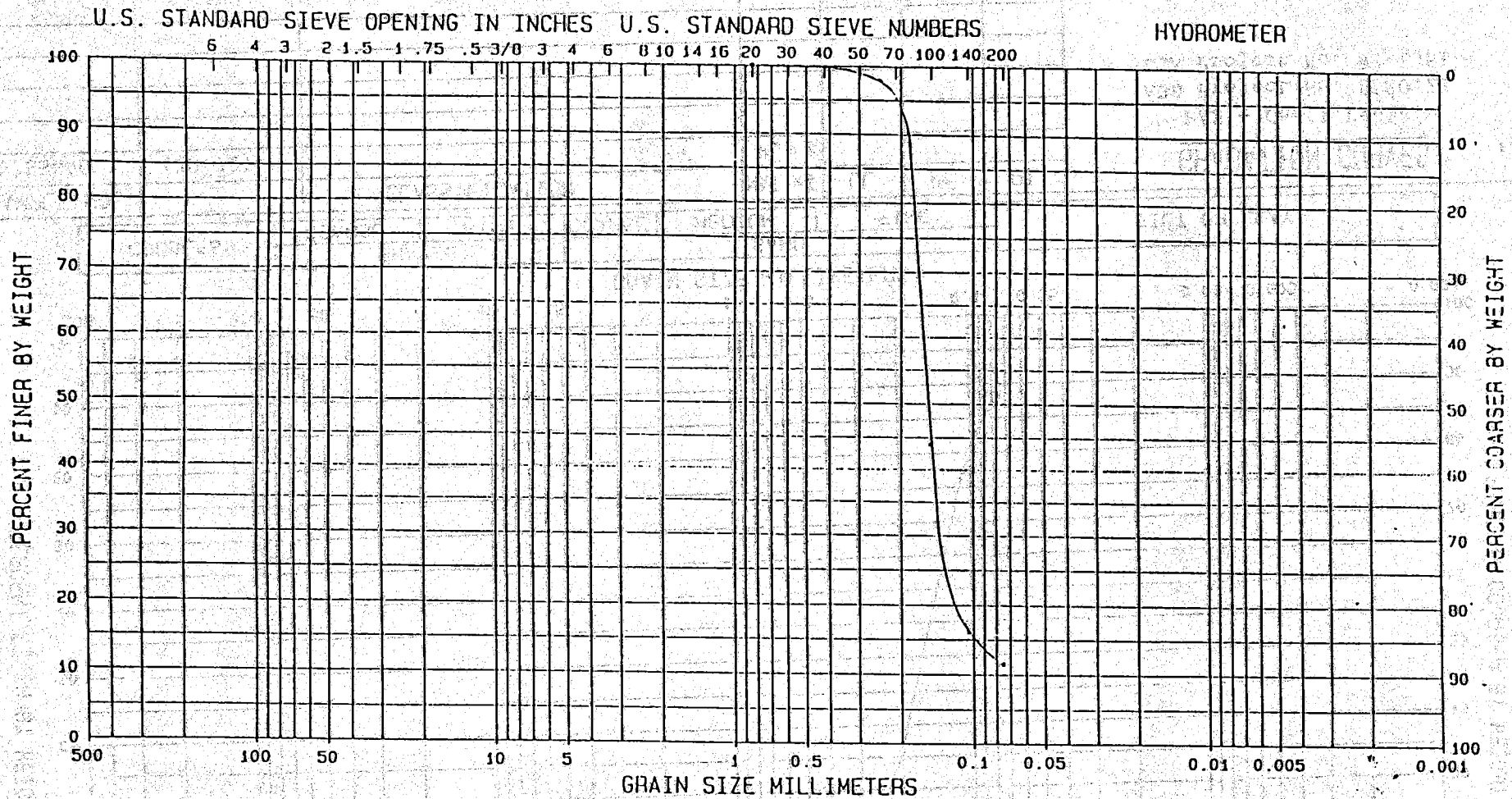

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SSB40	(49-51)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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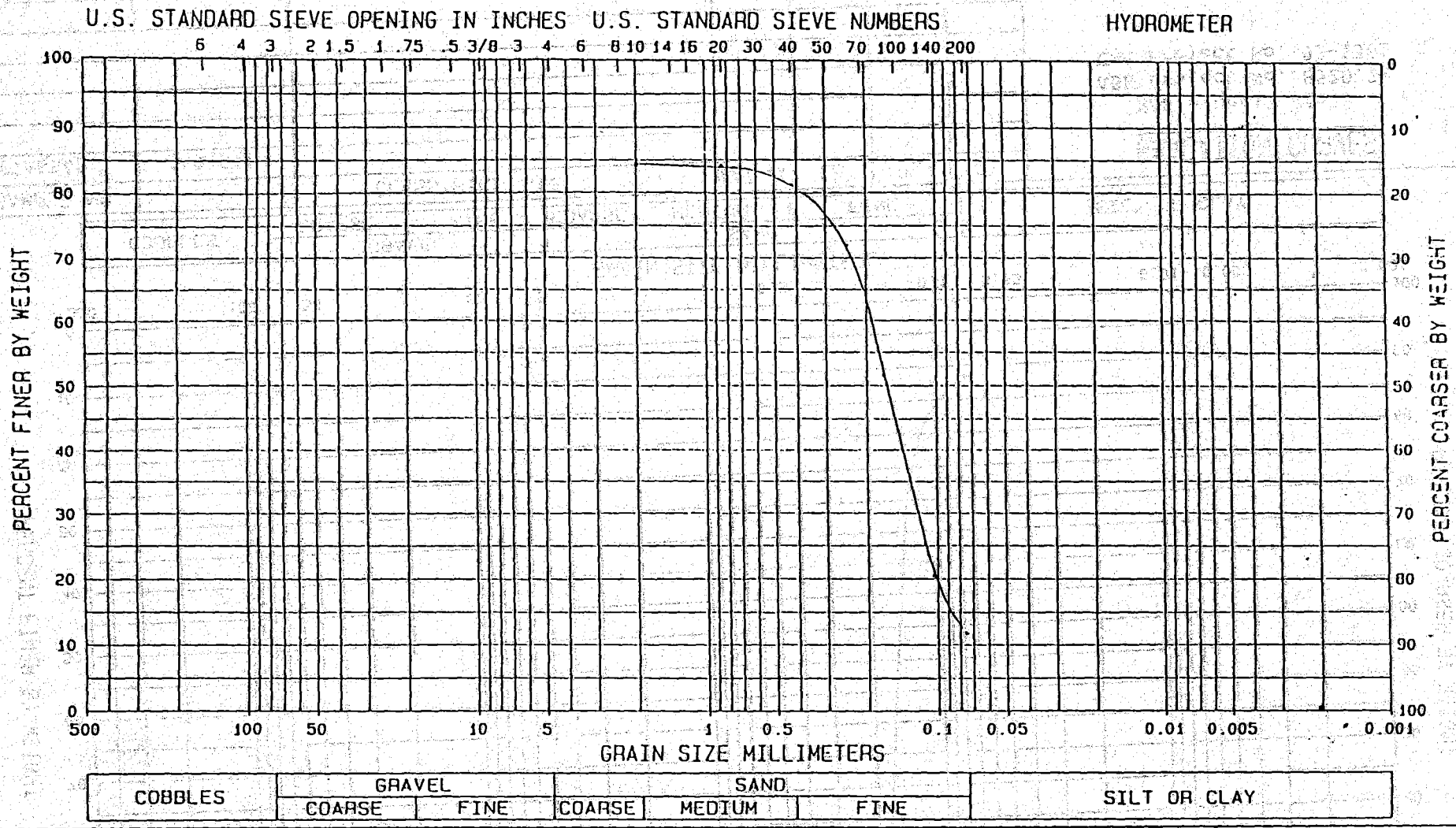

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF7SSB40	(70-72)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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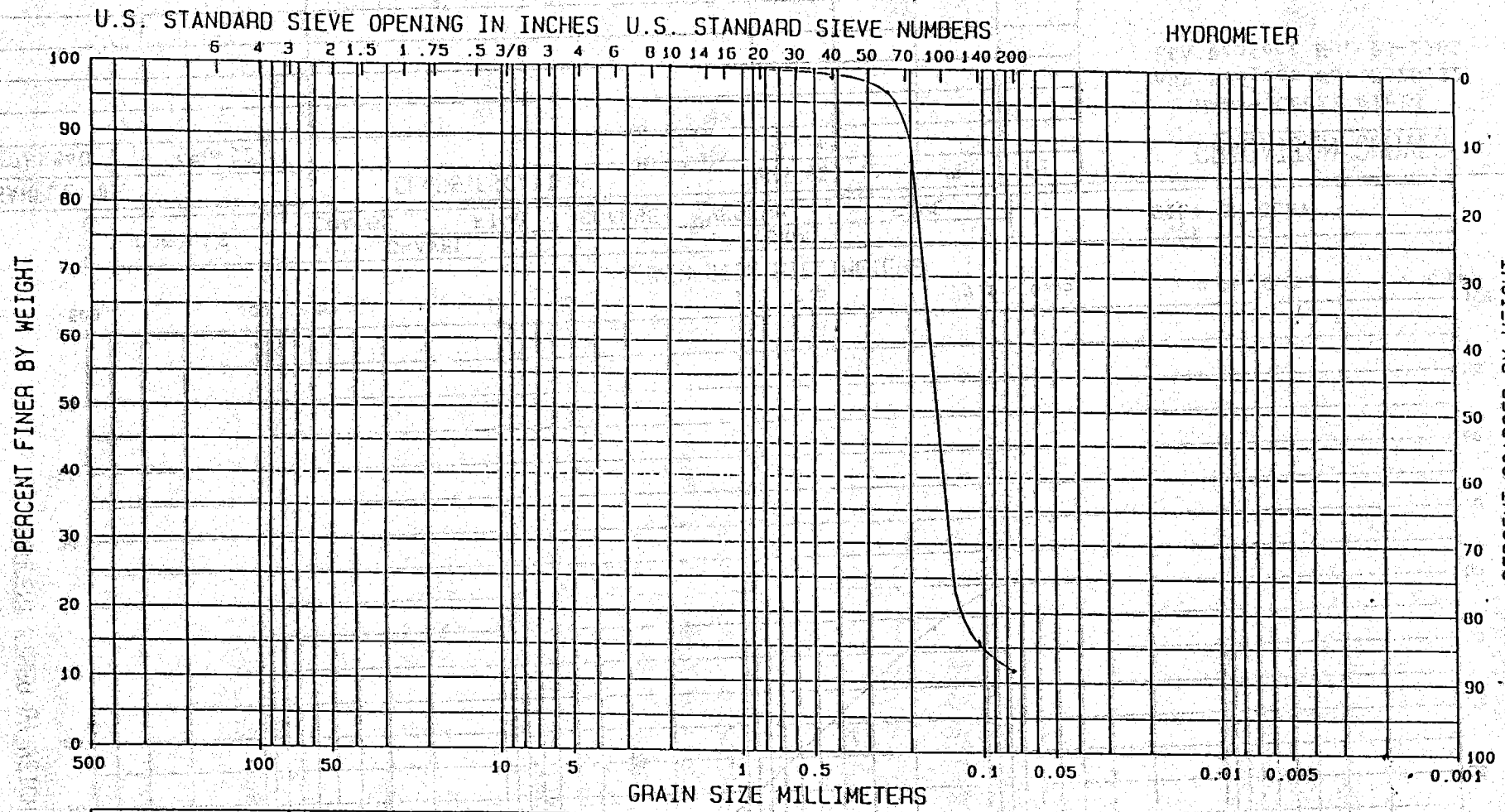

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF7SSB40	(80-82)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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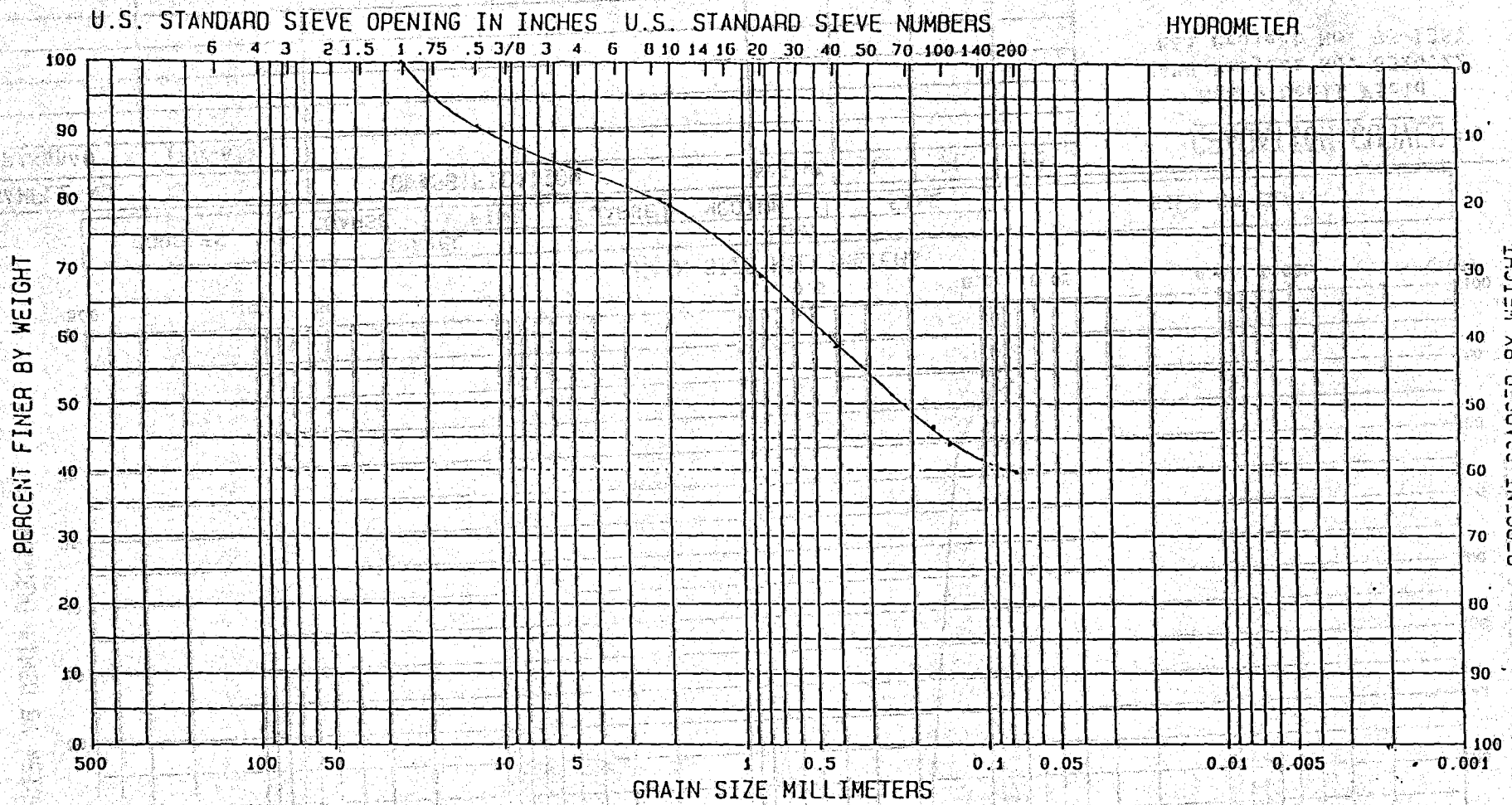

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF7SSB40	(90-92)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

SUMMARY OF LABORATORY TEST RESULTS

PROJECT: NAS Cecil Field - Project No. 8520.22
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
CF8SS08 (1-3')		80.5	75.4	6.8				7.8
CF8SS17 (1-3')		88.7	78.7	12.7				7.3

SUMMARY OF GRADATION TEST RESULTS

PROJECT: NAS Cecil Field - Project No. 8520.22
CLIENT: ABB Environmental Services
PROJECT NO.: 93-1361

GRADATION TEST

Boring/ Sample No.	Sample Depth (ft.)	% Passing No. 10	No. 20	No. 40	No. 60	No. 80	No.100	No.140	No.200
CF8SS8 (1-3')		99.5	99.4	98.7	93.4	40.7	24.6	10.4	6.2
CF8SS17 (1-3')		98.6	98.3	97.1	90.7	44.6	31.9	14.5	8.8

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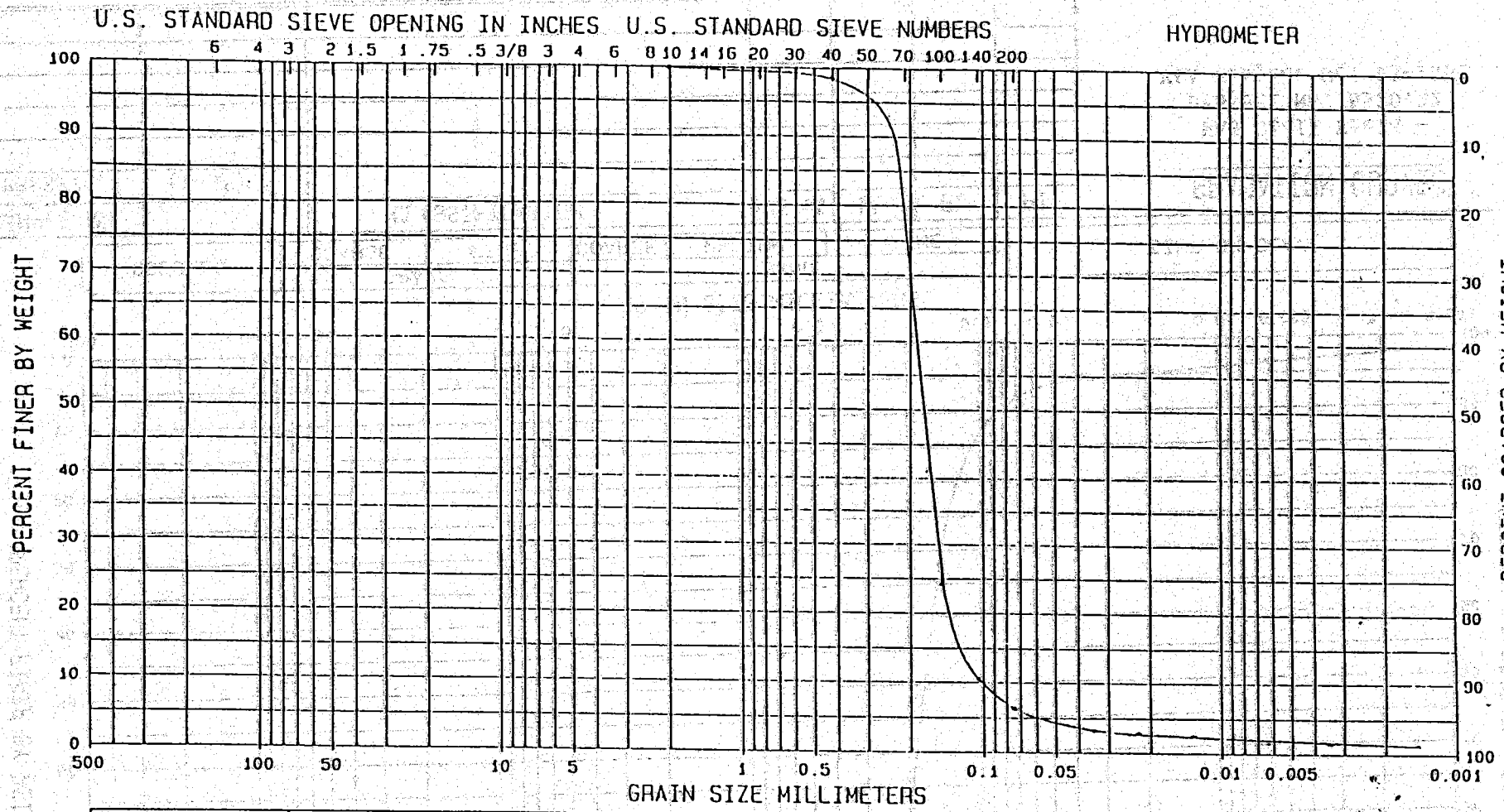

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SS8	(1-3')					

GRADATION CURVES

NAS Cecil Field -
Project No. 8520.22
E&A Project No. 93-1361

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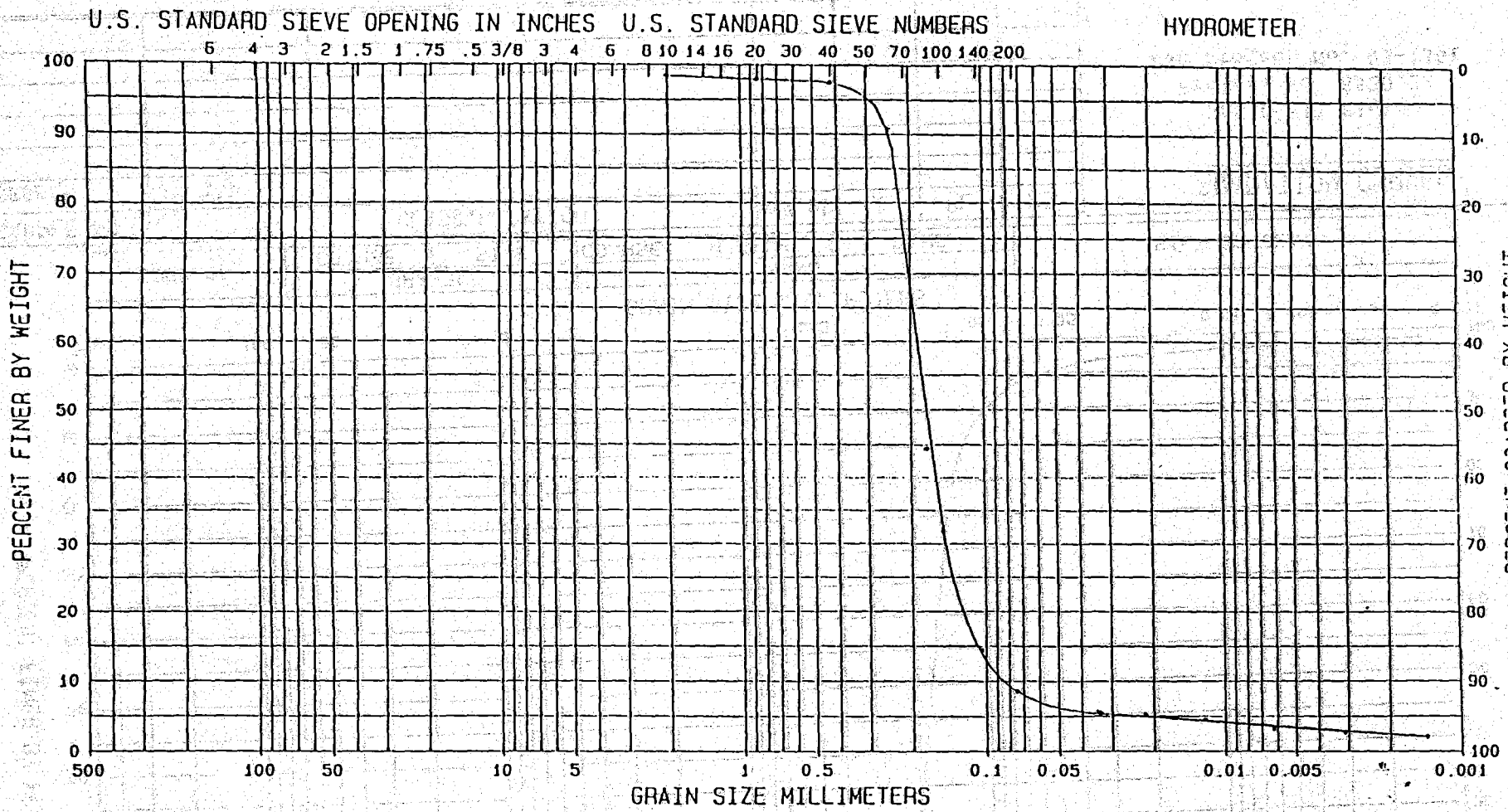

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT w%	LL	PL	PI
CF8SS17	(1-3')					

GRADATION CURVES

NAS Cecil Field -
Project No. 8520.22
E&A Project No. 93-1361

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REPORT NUMBER
F100-20S

STEVE WEAVER

SEND TO:
ELLIS AND ASSOCIATES, INC.
5109 STEPP AVE
JACKSONVILLE, FL. 32216

GROWER P O 7561

SAMPLES SUBMITTED BY

DATE 4-10-95 PAGE 1

LAB NUMBER:	M0267A	M0268
SAMPLE ID:	CF85508 SOIL	CF85517 SOIL
CEC, MEQ/100G	1.0	1.7

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

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LYNN GRIFFITH, LAB MANAGER

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REPORT NUMBER
F100-20S

SEND TO:
STEVE WEAVER
ELLIS AND ASSOCIATES, INC.
5109 STEPP AVE
JACKSONVILLE, FL. 32216

GROWER: P O 7501

SAMPLES SUBMITTED BY:

DATE 4-10-95 PAGE 1

LAB NUMBER:	H0267A	H0268
SAMPLE ID:	CF85508 SOIL	CF85517 SOIL
CEC, MEQ/100G	1.6	1.7

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

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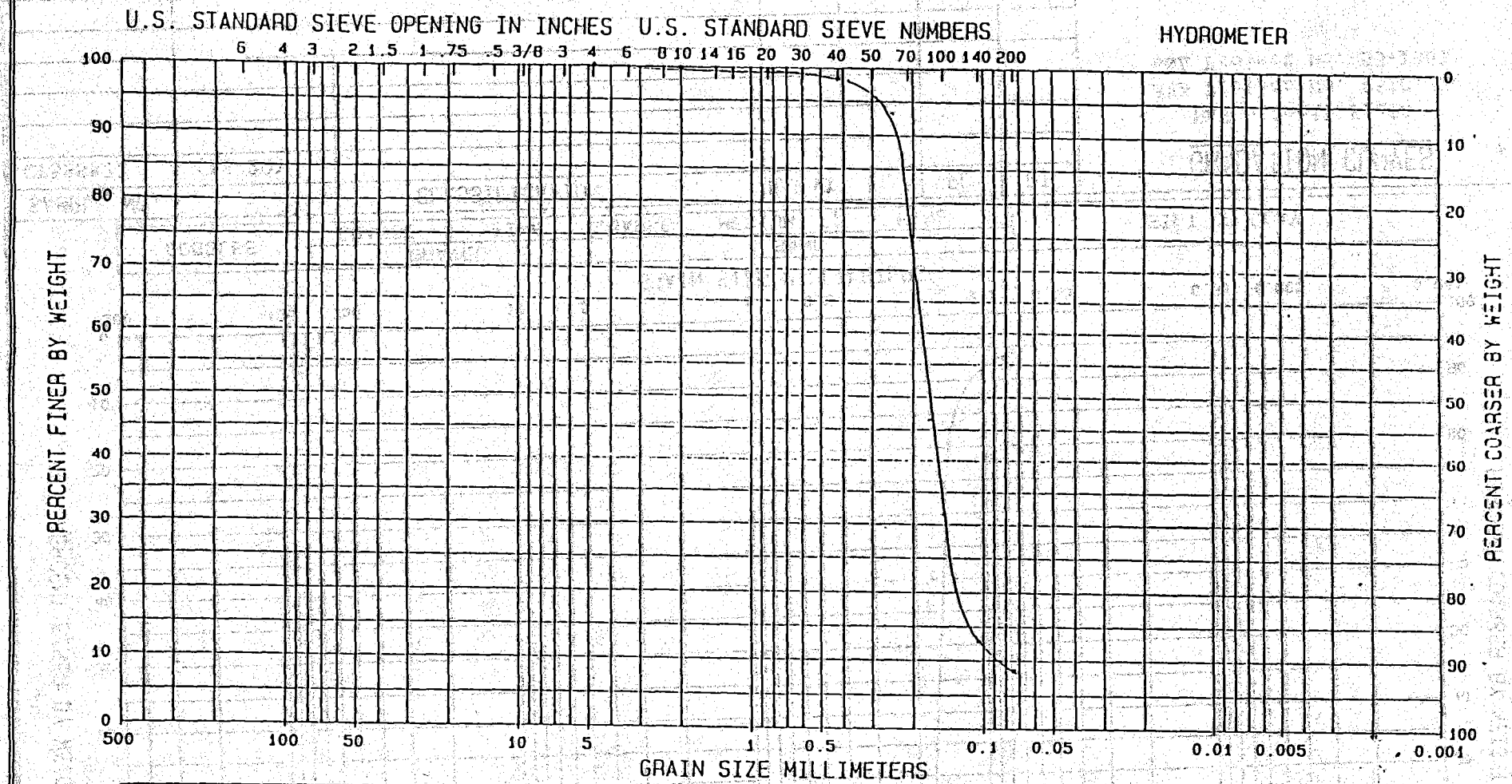

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(6-8)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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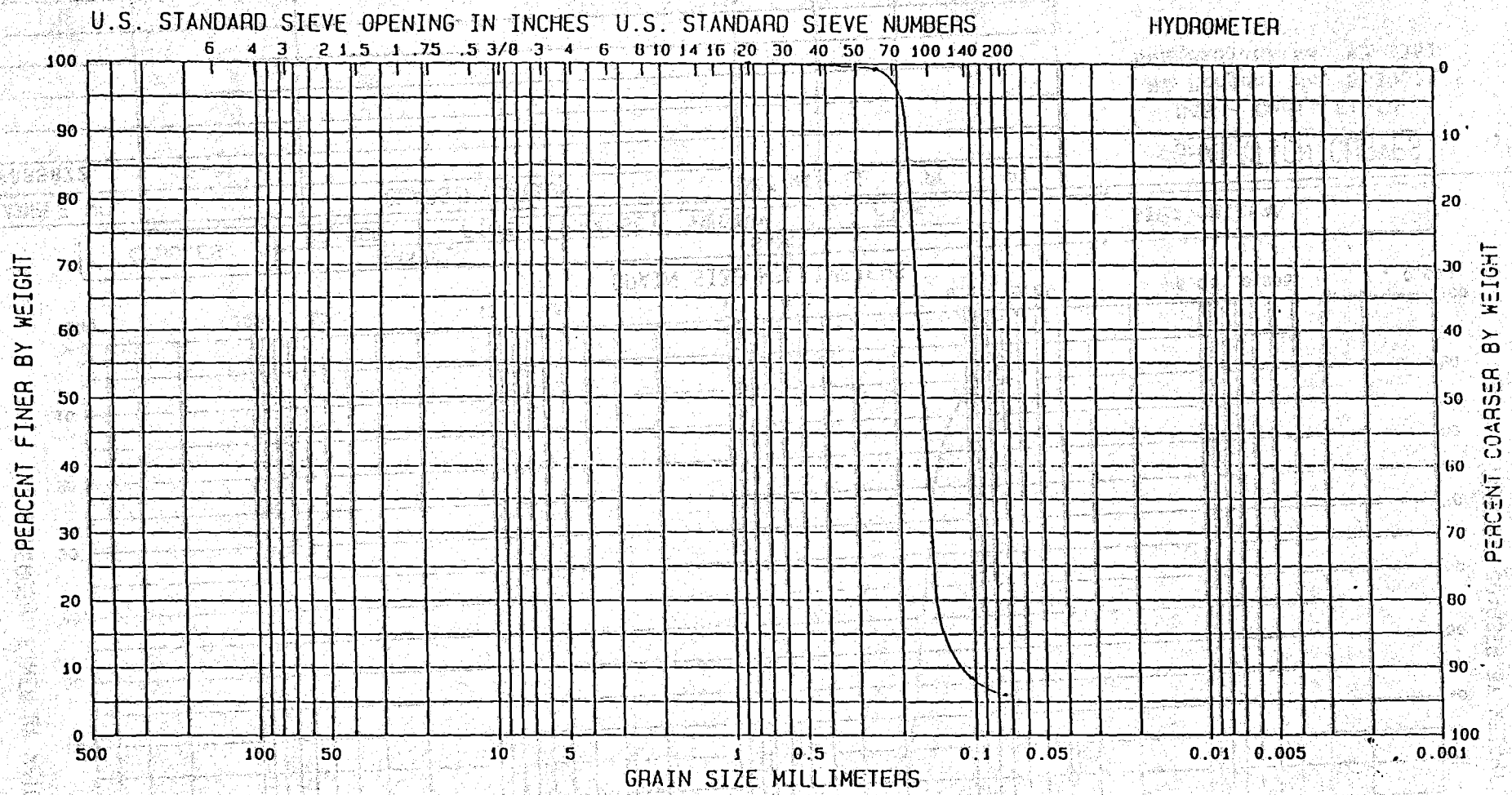

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(18-20)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

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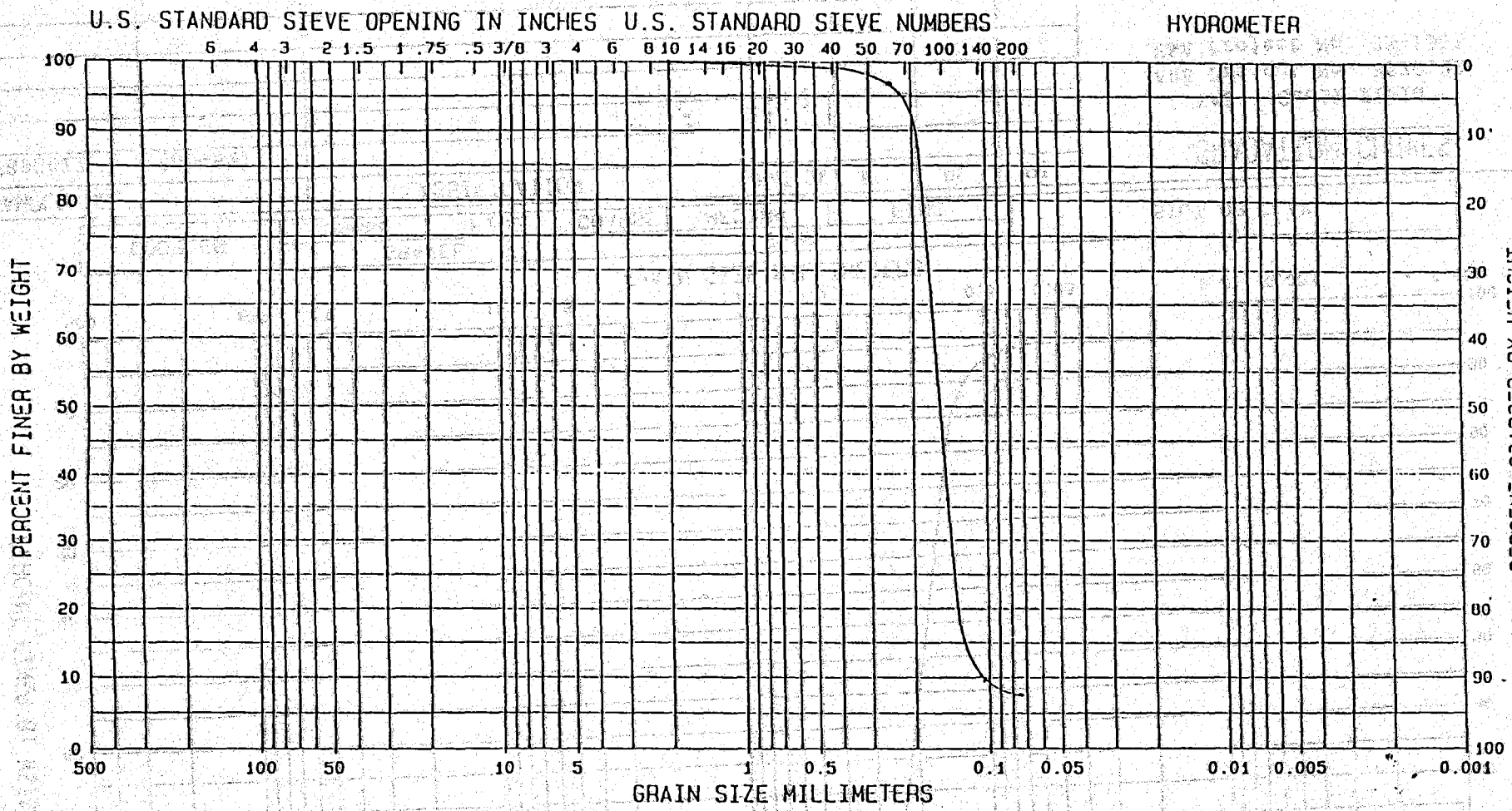


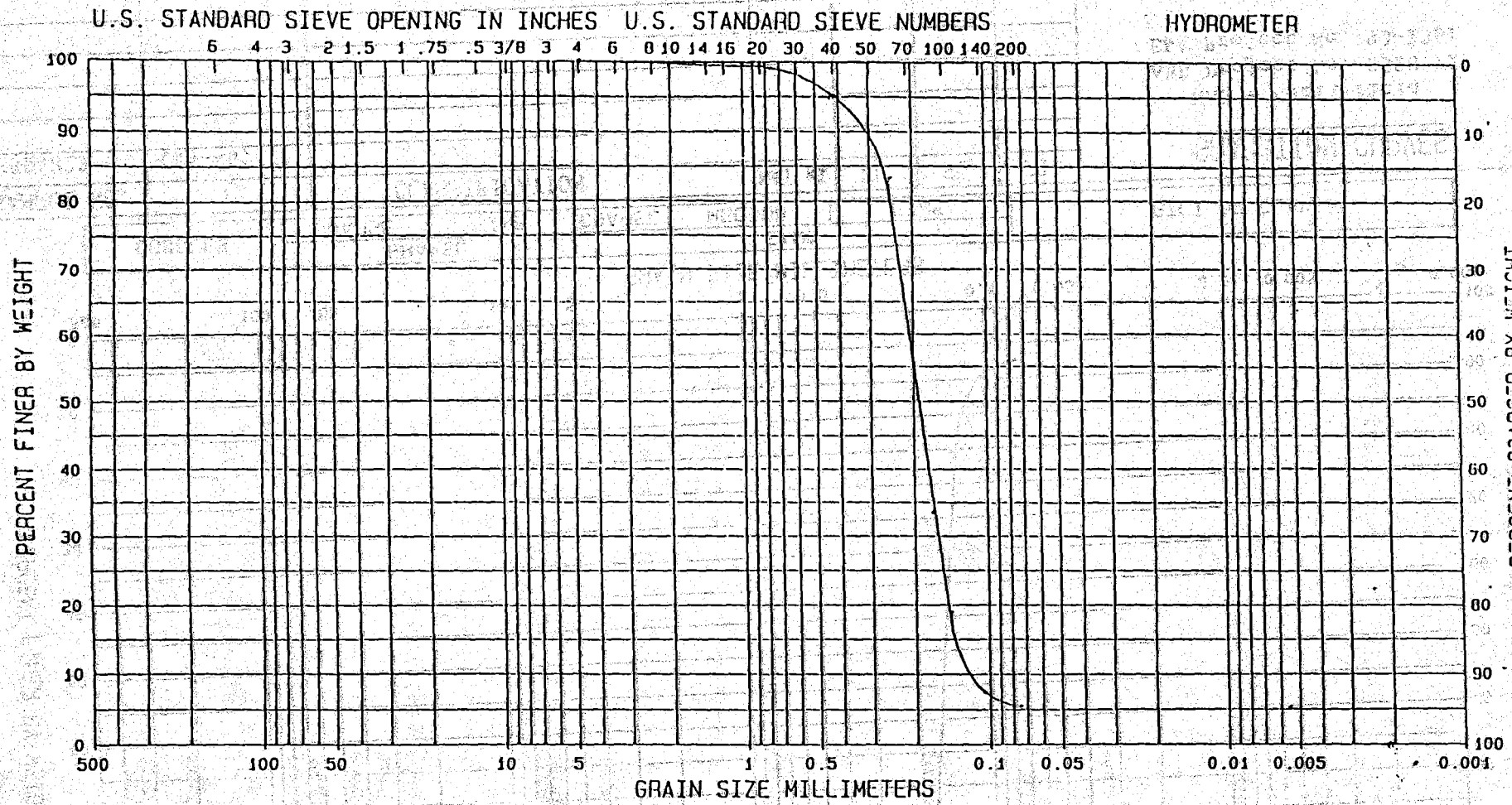
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(44-46)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

ELLIS & ASSOCIATES, INC.



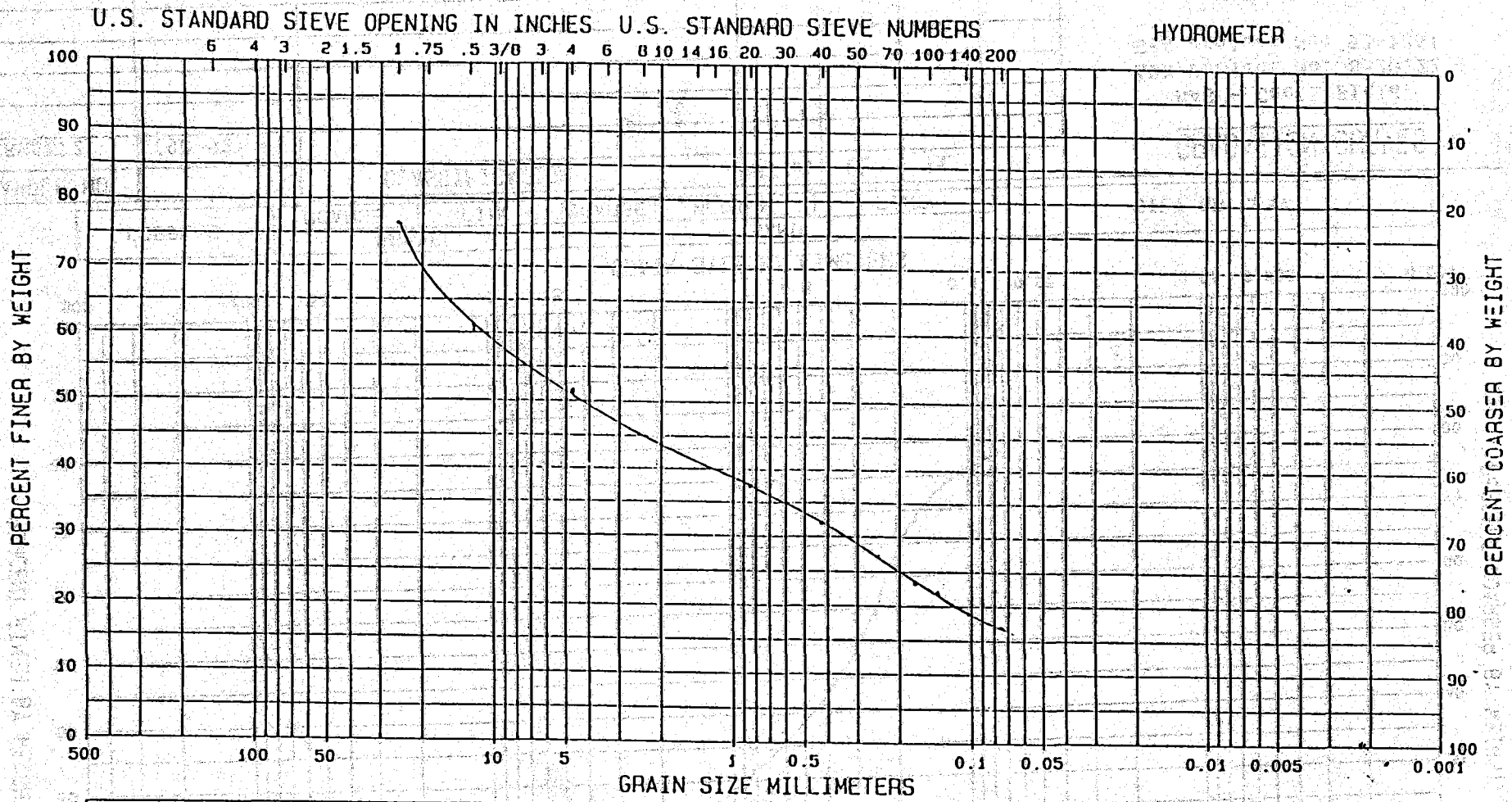
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(60-62)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

ELLIS & ASSOCIATES, INC.



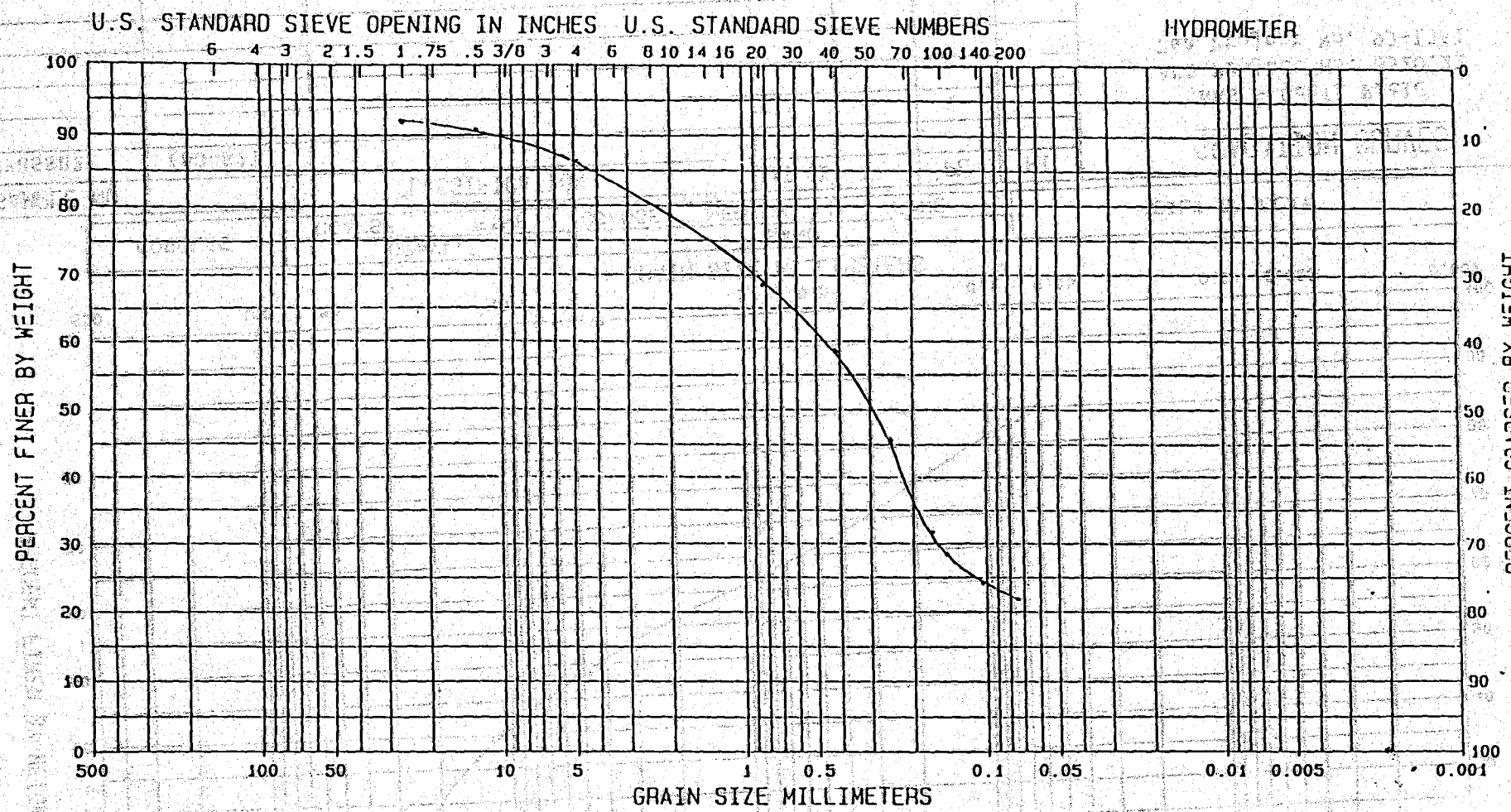
COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(80-82)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

ELLIS & ASSOCIATES, INC.



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.		CLASSIFICATION	NAT W%	LL	PL	PI
CF8SSB22	(90-92)					

GRADATION CURVES

NAS - Cecil Field
ABB Project No. 8520.22
E&A Project No. 93-1361

Section 4.2

Site 7 Soil Boring Logs

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-1
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-19-94	**COMPLETED:** 04-21-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.1 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇:** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular, well sorted, clean.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			5-6					
			6-6					
	6-8 soil		4-3	6-8 0				
			6-9					
	8-10 soil		7-10	8-10 0				
			10-10					
10								
	11-15 water							groundwater encountered ∇ wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 12'bls
20								
25								
	28-32 water							wl sampling string: 28'bls wl augers: 12'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-1
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-19-94	**COMPLETED:** 04-21-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.1 FT. NGVD	**MONITOR INST:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				Continued from PAGE 1			
				Sand continued.		SP	
45							
50							
	52-58 water						w/ sampling string: 53'bls w/ augers: 1'bls
55							
60							
65							
70							
	72-74 water						w/ sampling string: 84'bls w/ augers: 12'bls
75							
80							

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-1
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-19-94	**COMPLETED:** 04-21-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.1 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▽** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-95.0 *Sandy Clay (CL)*, 100%, medium to dark gray, moist, plastic, soft, dense, trace dolomite pebbles.		CL	
90								
	94-95 water							bottom hole augers w/ sampling string: 88'bls w/ augers: 12'bls bottom hole probe
95					95.0-95.5 *Dolomite*, 100%, moderate yellowish-orange to light brown, dense, microcrystalline, well cemented to very well cemented, shell replacement features visible.		DOLOMITE	
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 95.5'bls.			
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-2
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-21-94	**COMPLETED:** 04-22-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▽** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-22-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-7.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular, moderately well to well sorted, soft, clean.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			5-6					
			10-10					
	6-8 soil		6-4	6-8 0				
			10-20		7.0-10.0 *Sandy Clay (CL)*, 100%, quartz, light to medium gray to yellowish-brown, dense, dry to moist, compacted, homogeneous, sandy.		CL	
	8-10 soil		13-12	8-10 0				
			13-13					
10	11-15 water				10-86.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	w/ sampling string: 0 w/ augers: dry groundwater encountered ▽
15								
	18-22 water							w/ sampling string: 0 w/ augers: 15'bls
20								
25								
	28-32 water							w/ sampling string: 0 w/ augers: 15'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-2
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-21-94	**COMPLETED:** 04-22-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▽** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-22-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string 45'bls wl augers: 11'bls
55								
60								
65								
70	72-76 water							wl sampling string 68'bls wl augers: 17'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**LOG OF BORING:** GS-7-2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 04-21-94	**COMPLETED:** 04-22-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-22-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85					88.0-95.0 *Clayey Sand (SC)*, 100%, quartz, medium to dark gray, fine-to medium-grained, sub-angular, poorly to moderately well sorted, clayey, trace dolomite stringers.		SC	
90								
	92-95 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole augers w/ sampling string: 78'bls w/ augers: 15'bls bottom hole probe
95					End of boring: 95'bls.			
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-3
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-23-94	**COMPLETED:** 04-24-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 2.4	0-7.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well to well sorted.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 1.4				
				4-6 1.3				
5			4-8					
			8-6					
	6-8 soil		3-2	6-8 1.2				
			4-10		7.0-10.0 *Sandy Clay (CL)*, 100%, quartz, medium gray to yellowish-brown, dense, dry, well compacted, homogeneous, sandy.		CL	
	8-10 soil		8-6	8-10 1.1				
			8-10					
10					10-87.0 *Sand (SP)*, 100%, quartz, colorless to pale olive green to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	groundwater encountered ∇ w/ sampling string: 0 w/ augers: dry
	11-15 water							
15								
	18-22 water							w/ sampling string: 0 w/ augers: 13'bls
20								
25								
	28-32 water							w/ sampling string: 23'bls w/ augers: 17'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-3
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-23-94	**COMPLETED:** 04-24-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 55'bls wl augers: 8'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 58'bls wl augers: 14'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-4
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-25-94	**COMPLETED:** 04-26-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, dark brown to colorless, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			1-2					
			2-2					
	6-8 soil		2-2	6-8 0				
			2-4					
	8-10 soil		7-10	8-10 202				
			20-20					
10								∇
	11-15 water							groundwater encountered wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 22'bls wl augers: 12'bls
20								
25								
	28-32 water							wl sampling string: 31'bls wl augers: 12'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**LOG OF BORING:** GS-7-3
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 04-23-94	**COMPLETED:** 04-24-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▼:** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-24-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-95.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, medium to dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown, poorly cemented, sucrosic, microcrystalline, many shell replacement features visible, friable.		CL DOLOMITE	
90								
	92-95 water							bottom hole augers w/ sampling string 88'bls w/ augers: 12'bls
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
95					End of boring: 95'bls.			bottom hole probe
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-4
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-25-94	**COMPLETED:** 04-26-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 45'bls wl augers: 11'bls
55								
60								
65								
70	72-74 water							wl sampling string: 69'bls wl augers: 12'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-4
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-25-94	**COMPLETED:** 04-26-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 95 FT. BLS	**DEPTH TO ▽:** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 04-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-95.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown, poorly cemented, microcrystalline, many shell replacement features visible, sucrosic, friable.		CL DOLOMITE	
90								
	92-95 water							bottom hole augers w/ sampling string 8'bls w/ augers: 9'bls bottom hole probe
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
95					End of boring: 95'bls.			
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-5
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-28-94	**COMPLETED:** 05-02-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-02-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-7.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			7-10					
			10-6					
	6-8 soil		3-6	6-8 0				
			13-12		7.0-10.0 *Sandy Clay (CL)*, 100%, quartz, moderate yellowish-brown to light gray, dense, dry, compacted, homogeneous, sandy.		CL	
	8-10 soil		16-13	8-10 0				
			10-12					
10					10-87.0 *Sand (SP)*, 100%, quartz, colorless to moderate yellowish-brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted.		SP	groundwater encountered ∇ w/ sampling string: 0 w/ augers: dry
	11-15 water							
15								
	18-22 water							w/ sampling string: 0 w/ augers: 12'bls
20								
25								
	28-32 water							w/ sampling string: 28'bls w/ augers: 9'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-5
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-26-94	**COMPLETED:** 05-02-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: M. Plinenburg	**HOLE ABANDONMENT DATE:** 05-02-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-58 water							wl sampling string: 42'bls wl augers: 12'bls
55								
60								
65								
70								
	72-78 water							wl sampling string: 69'bls wl augers: 12'bls
75								
80								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-5
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 04-28-94	**COMPLETED:** 05-02-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: M. Pilnenburg	**HOLE ABANDONMENT DATE:** 05-02-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-91.0 *Sandy Clay (CL) with Dolomite Cobbles*, sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, many shell replacement features visible, friable.		CL DOLOMITE	
90	90-91 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole augers w/ sampling string: 56'bls w/ augers: 13'bls
					End of boring: 91'bls.			
95								bottom hole probe
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-6
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-03-94	**COMPLETED:** 05-05-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 82 FT. BLS	**DEPTH TO ∇:** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, light brown to colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			3-3					
			3-4					
	6-8 soil		3-3	6-8 28				
			5-6					
	8-10 soil		6-3	8-10 344				
			6-7					
10								
	11-15 water							groundwater encountered w/ sampling string: 0 w/ augers: dry ∇
15								
	18-22 water							w/ sampling string: 0 w/ augers: 12'bls
20								
25								
	28-32 water							w/ sampling string: 24'bls w/ augers: 6'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-6
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-03-94	**COMPLETED:** 05-05-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 82 FT. BLS	**DEPTH TO ▽:** 11 FT. BLS
LOGGED BY: M. Plinenburg	**HOLE ABANDONMENT DATE:** 05-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							w/ sampling string: 5'bls w/ augers: 9'bls
55								
60								
65								
70								
	72-76 water							w/ sampling string: 68'bls w/ augers: 15'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-6
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-03-94	**COMPLETED:** 05-05-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▽** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-92.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown, poorly cemented, microcrystalline, shell replacement features visible, sucrosic, friable.		CL DOLOMITE	
90	91-92 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole augers w/ sampling string: 9'bls w/ augers: 12'bls bottom hole probe
					End of boring; 92'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-7
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-05-94	**COMPLETED:** 05-06-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▼:** 11 FT. BLS
LOGGED BY: M. Plinenburg	**HOLE ABANDONMENT DATE:** 05-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
			woh6"-	0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, light brown to colorless to medium gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-10'bls: continuous split-spoons
			woh6"-	2-4 0				
			3-1					
			3-5	4-6 0				
5			5-3					
			3-5					
	6-8 soil		7-8	6-8 0				
			8-13					
	8-10 soil		8-8	8-10 0				
			16-3					
10								
	11-15 water							groundwater encountered wl sampling string 0 wl augers: dry ▼
15								
	18-22 water							wl sampling string 0 wl augers: 1'bls
20								
25								
	28-32 water							wl sampling string 3'bls wl augers: 10'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-7
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-05-94	**COMPLETED:** 05-06-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▽** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 5'bls wl augers: 1'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 66'bls wl augers: 12'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-7
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 05-05-94	**COMPLETED:** 05-06-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.6 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ∇:** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-06-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-92.0 *Sandy Clay (CL) with Dolomite Cobbles*, sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown, poorly cemented, microcrystalline, shell replacement features visible, sucrosic, friable.		CL DOLOMITE	
90								bottom hole augers
	91-92 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			w/ sampling string: 89'bls
					End of boring: 92'bls.			w/ augers: 11'bls bottom hole probe
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-8
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-07-94	**COMPLETED:** 05-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
			10-8	0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, light brown to colorless to medium gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-10'bls: continuous split-spoons
			6-6	2-4 0				
			6-15					
			15-10	4-6 0				
			8-18					
5			18-18					
	6-8 soil		10-10	6-8 548				
			10-10					
	8-10 soil		8-8	8-10 412				
			10-14					
10								
	11-15 water							groundwater encountered ▽ w/ sampling string: 0 w/ augers: dry
15								
	18-22 water							w/ sampling string: 0 w/ augers: 11'bls
20								
25								
	28-32 water							w/ sampling string: 3'bls w/ augers: 8'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-8
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-07-94	**COMPLETED:** 05-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽:** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 0 wl augers: 1'bls
55								
60								
65								
70	72-76 water							wl sampling string: 68'bls wl augers: 18'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-8
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-07-94	**COMPLETED:** 05-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽** 11 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				Continued from PAGE 2			
				Sand continued.		SP	
85							
	88-91 water			87.0-91.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 8'bls w/ augers: 11'bls bottom hole probe
90				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
				End of boring: 91'bls.			
95							
100							
105							
110							
115							
120							

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-9
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-08-94	**COMPLETED:** 05-10-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇:** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-10-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
			2-2	0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, light gray to colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-10'bls: continuous split-spoons
			2-2					
			1-2	2-4 0				
			5-5					
			5-6	4-6 0				
5			6-5					
	6-8 soil		4-5	6-8 0				
			10-10					
	8-10 soil		10-16	8-10 0				
			20-20					
10								
	11-15 water							wl sampling string: 0 wl augers: 6'bls groundwater encountered ∇
15								
	18-22 water							wl sampling string: 20'bls wl augers: 7'bls
20								
25								
	28-32 water							wl sampling string: n/a wl augers: n/a
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-9
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-08-94	**COMPLETED:** 05-10-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-10-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 48'bls wl augers: 7'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 74'bls wl augers: 10'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-9
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-08-94	**COMPLETED:** 05-10-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇** 11.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-10-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-91.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	
90	90-91 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole augers w/ sampling string: 84'bls w/ augers: 11'bls bottom hole probe
					End of boring: 91'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-10
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-10-94	**COMPLETED:** 05-16-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-16-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 3.2	0-87.0 *Sand (SP)*, 100%, quartz, colorless to medium brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 5.1				
	4-6 soil		2-4	4-6 5.4				
5			4-2					
			woh12"	6-8 5.1				
			5-10					
	8-10 soil		8-7	8-10 5.9				
			12-12					
10								groundwater encountered ∇
	11-15 water							wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 1'bls
20								
25								
	28-32 water							wl sampling string: 25'bls wl augers: 7'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-10
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-10-94	**COMPLETED:** 05-16-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-16-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 53'bls wl augers: 10'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 73'bls wl augers: 11'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-10
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 05-10-94	**COMPLETED:** 05-16-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 05-16-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
					87.0-92.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	
90	90-92 water				Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole augers w/ sampling string: 0 w/ augers: 1'bls bottom hole probe
					End of boring: 92'bls.			
95								
100								
105								
110								
115								
120								

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-11
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-14-94	**COMPLETED:** 07-15-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-15-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-83.0 *Sand (SP)*, 100%, quartz, colorless to light gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-5'bls: post hole 5-9'bls: continuous split-spoons
				2-5 0				
5	5-7 soil		1-1	5-7 0				
			1-3					
	7-9 soil		3-4	7-9 0				
			7-8					
10								groundwater encountered ∇
	11-15 water							wl sampling string: 10'bls wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 10'bls
20								
25								
	28-32 water							wl sampling string: 0 wl augers: 12'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-11
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-14-94	**COMPLETED:** 07-15-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-15-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							w/ sampling string: 48'bls w/ augers: 5'bls
55								
60								
65								
70	72-76 water							w/ sampling string: 66'bls w/ augers: 12'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**		**LOG OF BORING:** GS-7-11
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 07-14-94	**COMPLETED:** 07-15-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 91 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-15-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
90	89-91 water				89.0-91.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.	DOLOMITE	CL	bottom hole augers w/ sampling string: 78'bls w/ augers: 8'bls bottom hole probe
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 91'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-12
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-16-94	**COMPLETED:** 07-17-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-17-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-87.0 *Sand (SP)*, 100%, quartz, colorless to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			5-6					
			6-4					
	6-8 soil		3-7	6-8 0				
			9-13					
	8-10 soil		10-11	8-10 0				groundwater encountered ▽
			12-14					
10								
	11-15 water							wl sampling string: 0 wl augers: 8'bls
15								
	18-22 water							wl sampling string: 0 wl augers: 17'bls
20								
25								
	28-32 water							wl sampling string: 28'bls wl augers: 17'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-12
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-16-94	**COMPLETED:** 07-17-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-17-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 48'bls wl augers: 9'bls
55								
60								
65								
70	72-76 water							wl sampling string: 66'bls wl augers: 12'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-12
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-16-94	**COMPLETED:** 07-17-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-17-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
	87-89 water				87.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 84'bls w/ augers: 10'bls bottom hole probe
90					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 89'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**		**LOG OF BORING:** GS-7-13
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 07-17-94	**COMPLETED:** 07-18-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 90 FT. BLS	**DEPTH TO ▽:** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-18-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-89.0 *Sand (SP)*, 100%, quartz, colorless to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			2-2					
			3-4					
	6-8 soil		4-7	6-8 0				
			7-11					
	8-10 soil		13-13	8-10 0				groundwater encountered ▽
			13-14					
10								
	11-15 water							wl sampling string 0 wl augers: dry
15								
	18-22 water							wl sampling string 0 wl augers: 12'bls
20								
25								
	28-32 water							wl sampling string 0 wl augers: 13'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**LOG OF BORING:** GS-7-13
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 07-17-94	**COMPLETED:** 07-18-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA	**SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 90 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-18-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 0 wl augers: 8'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 0 wl augers: 10'bls
75								
80								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-13
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-17-94	**COMPLETED:** 07-18-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 90 FT. BLS	**DEPTH TO ∇:** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-18-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	88-90 water							bottom hole augers w/ sampling string 88'bls w/ augers: 8'bls bottom hole probe
90					89.0-90.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 90'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-14
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-19-94	**COMPLETED:** 07-25-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ∇:** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-84.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty, loose, saturated.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
	4-6 soil		5-5	4-6 0				
5			3-2					
	6-8 soil		3-9	6-8 0				
			8-8					
			5-7	8-10 0				
			7-7					groundwater encountered ∇
10	11-15 water							wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 1'bls
20								
25								
	28-32 water							wl sampling string: 0 wl augers: 9'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-14
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-19-94	**COMPLETED:** 07-25-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ▽** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							w/ sampling string: 48'bls w/ augers: 9'bls
55								
60								
65								
70	72-76 water							w/ sampling string: 75'bls w/ augers: 8'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-14
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-19-94	**COMPLETED:** 07-25-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ▼:** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	86-88 water				84.0-88.0 *Sandy Clay (CL) with Dolomite Cobbles*, sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 87'bls w/ augers: 8'bls bottom hole probe
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 88'bls.			
90								
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-15
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-25-94	**COMPLETED:** 07-28-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ▽** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-28-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-84.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			6-10					
			8-8					
	6-8 soil		8-15	6-8 0				
			15-27					
	8-10 soil		23-24	8-10 0				groundwater encountered ▽
			31-18					
10								
	11-15 water							wl sampling string: 0 wl augers: 9'bls
15								
	18-22 water							wl sampling string: 8'bls wl augers: 8'bls
20								
25								
	28-32 water							wl sampling string: 28'bls wl augers: 8'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-15
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-25-94	**COMPLETED:** 07-28-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-28-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-58 water							wl sampling string: 54'bls wl augers: 10'bls
55								
60								
65								
70								
	74-77 water							wl sampling string: 0 wl augers: 13'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-15
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-25-94	**COMPLETED:** 07-28-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 88 FT. BLS	**DEPTH TO ∇:** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-28-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	88-88 water				84.0-88.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 83'bls w/ augers: 13'bls bottom hole probe
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 88'bls.			
90								
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-16
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-29-94	**COMPLETED:** 07-30-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-30-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0 2-4 0 4-6 0	0-85.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
5			7-3 4-6					
	6-8 soil		8-7	6-8 0				
	8-10 soil		8-11 8-8 17-13	8-10 0				groundwater encountered ∇
10								
	11-15 water							wl sampling string: 0 wl augers: 9'bls
15								
	18-22 water							wl sampling string: 20'bls wl augers: 9'bls
20								
25								
	28-32 water							wl sampling string: 29'bls wl augers: 9'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-16
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-29-94	**COMPLETED:** 07-30-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-30-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 55'bls wl augers: 10'bls
55								
60								
65								
70								
75	74-77 water							wl sampling string: 74'bls wl augers: 15'bls
80								

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**		**LOG OF BORING:** GS-7-16
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services		**DATE STARTED:** 07-29-94	**COMPLETED:** 07-30-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 8 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-30-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				Continued from PAGE 2			
				Sand continued.		SP	
85	88-89 water			85.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles. Samples collected were analyzed for USEPA Method 8010/8020 and TPH. End of boring: 89'bls.	DOLOMITE	CL	bottom hole augers w/ sampling string 88'bls w/ augers: 10'bls bottom hole probe
90							
95							
100							
105							
110							
115							
120							

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-18
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-31-94	**COMPLETED:** 07-31-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.0 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-31-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-2 soil			0-2 0	0-85.0 *Sand (SP)*, 100%, quartz, light brown to dark brown to reddish-yellow, fine- to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			2-2					
			2-1					
				6-8 0				
			5-13					
			28-26					
	8-10 soil			8-10 0				groundwater encountered ▽
			19-21					
			48-47					
10	11-15 water							wl sampling string 0 wl augers: 8'bls
15								
	18-22 water							wl sampling string 0 wl augers: 11'bls
20								
25								
	28-32 water							wl sampling string 0 wl augers: 10'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-16
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-31-94	**COMPLETED:** 07-31-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▼** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-31-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 47'bls wl augers: 9'bls
55								
60								
65								
70	72-76 water							wl sampling string: 74'bls wl augers: 9'bls
75								
80								

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-16
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 07-31-94	**COMPLETED:** 07-31-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 07-31-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	85-89 water				85.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 86'bls w/ augers: 9'bls
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
90					End of boring: 89'bls.			bottom hole probe
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-18
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-01-94	**COMPLETED:** 08-01-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.7 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-01-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-84.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
				4-6 0				
5			2-5					
			10-11					
	6-8 soil		4-9	6-8 0				
			7-6					
	8-10 soil		5-7	8-10 0				
			7-7					
10								groundwater encountered ∇
	11-15 water							wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 17'bls
20								
25								
	28-32 water							wl sampling string: 32'bls wl augers: 17'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-18
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-01-94	**COMPLETED:** 08-01-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.7 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-01-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 0 wl augers: 1'bls
55								
60								
65								
70	72-76 water							wl sampling string: 69'bls wl augers: 1'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-18
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-01-94	**COMPLETED:** 08-01-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.7 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-01-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	85-89 water				84.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string 80'bls w/ augers: 11'bls
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 89'bls.			bottom hole probe
90								
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-19
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-02-94	**COMPLETED:** 08-03-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-03-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0 2-4 0	0-85.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty, saturated, loose.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
5			2-7 5-3	4-6 0				
	6-8 soil		3-4 6-11	6-8 0				
	8-10 soil		4-7 10-15	8-10 0				
10	11-15 water							groundwater encountered ∇ w/ sampling string: 0 w/ augers: 10'bls
15								
	18-22 water							w/ sampling string: 0 w/ augers: 10'bls
20								
25								
	28-32 water							w/ sampling string: 0 w/ augers: 10'bls
30								
35								
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-19
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-02-94	**COMPLETED:** 08-03-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇:** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-03-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-56 water							wl sampling string: 52'bls wl augers: 10'bls
55								
60								
65								
70								
	72-76 water							wl sampling string: 73'bls wl augers: 10'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-19
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-02-94	**COMPLETED:** 08-03-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA / **SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-03-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	85-89 water				85.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.	DOLOMITE	CL	bottom hole augers w/ sampling string @ w/ augers: 10'bls
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			
					End of boring: 89'bls.			bottom hole probe
90								
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-20
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-08-94	**COMPLETED:** 08-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD:** 4.25" ID HSA	**SAMP. MTHD:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-88.0 *Sand (SP)*, 100%, quartz, light to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty, saturated, loose.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
	4-6 soil		2-4	4-6 0				
5			7-7					
	6-8 soil		2-5	6-8 0				
			7-12					
			6-10	8-10 0				
			10-12					
10								groundwater encountered ∇
	11-15 water							wl sampling string: 0 wl augers: dry
15								
	18-22 water							wl sampling string: 0 wl augers: 12'bls
20								
25								
	28-32 water							wl sampling string: 0 wl augers: 10'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-20
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-08-94	**COMPLETED:** 08-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	52-56 water							wl sampling string: 0 wl augers: 10'bls
55								
60								
65								
70	72-76 water							wl sampling string: 73'bls wl augers: 12'bls
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-20
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-08-94	**COMPLETED:** 08-08-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 10 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	85-89 water				86.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string: 88'bls w/ augers: 10'bls
90					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe
					End of boring: 89'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-21
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-11-94	**COMPLETED:** 08-12-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ▽:** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-12-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-85.0 *Sand (SP)*, 100%, quartz, brown to dark brown to tan to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty, saturated, loose.		SP	0-4'bls: post hole 4-10'bls: continuous split-spoons
				2-4 0				
	4-6 soil		3-3	4-6 0				
5			2-1					
			3-3	6-8 0				
			8-9					
	8-10 soil		3-11	8-10 0				groundwater encountered ▽
			12-13					
10								
	11-15 water							wl sampling string 0 wl augers: dry
15								
	18-22 water							wl sampling string 0 wl augers: 10'bls
20								
25								
	28-32 water							wl sampling string 32'bls wl augers: 10'bls
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-21
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-11-94	**COMPLETED:** 08-12-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA	**SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-12-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
	52-58 water							wl sampling string: 0 wl augers: 1'bls
55								
60								
65								
70								
	72-78 water							wl sampling string: 73'bls wl augers: 10'bls
75								
80								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-21
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Layne Environmental Services	**DATE STARTED:** 08-11-94	**COMPLETED:** 08-12-94
DRILL RIG: Gus Pech BR22	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Aqua Probe	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 89 FT. BLS	**DEPTH TO ∇** 9 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 08-12-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85	85-89 water				85.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*: sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, sucrosic, microcrystalline, shell replacement features visible, friable, occasional dolomite pebbles.		CL DOLOMITE	bottom hole augers w/ sampling string 83'bls w/ augers: 1'bls
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe
					End of boring: 89'bls.			
90								
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-22
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Hydropunch	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 94 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 09-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					0-94.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	
5								groundwater encountered ∇
	8-10 water							
10								
15								
20	20-22 water							
25								
30	30-32 water							
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** GS-7-22
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Hydropunch	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 84 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 09-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50								
55	54-56 water							
60								
65								
70								
75	74-76 water							
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** GS-7-22
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 4.25" ID HSA / **SAMP. MTHD.:** Hydropunch	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 94 FT. BLS	**DEPTH TO ∇:** 7 FT. BLS
LOGGED BY: A. Workman	**HOLE ABANDONMENT DATE:** 09-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
					Sand continued.		SP	
85								
90								
					Samples collected were analyzed for USEPA Method 8010/8020.			
	93-94 water							
					End of boring: 94'bls.			
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB1S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-20-94	**COMPLETED:** 09-20-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2 3/8" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇:** 7 FT. BLS
LOGGED BY: M. Pinenburg	**HOLE ABANDONMENT DATE:** 09-20-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-6	3-5 0				
			6-8					
5	5-7 soil		5-4	5-7 72	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-4					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB2S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-20-94	**COMPLETED:** 09-20-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▼** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-20-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		2-3	3-5 515				
			4-4					
5	5-7 soil		3-3	5-7 731	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-4					
					End of boring: 7'bls.			groundwater encountered bottom hole ▼
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB3S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-20-94	**COMPLETED:** 09-20-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇:** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-20-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		3-5	3-5 0				
			9-9					
5	5-7 soil		9-7	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-4					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB4S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-20-94	**COMPLETED:** 09-20-94
DRILL RIG: CME 75 w/2.375"HSA	**DRILL MTHD.:** n/a	**SAMP. MTHD.:** n/a	**PROTECTION LEVEL:** n/a
GROUND ELEV.: n/a FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** n/a	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 8.2	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 6				split-spoons
	3-5 soil		6-7	3-5 286				
			9-11					
5	5-7 soil		9-7	5-7 520	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			7-7					
					End of boring; 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB5S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-20-94	**COMPLETED:** 09-20-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.7 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Plinenburg	**HOLE ABANDONMENT DATE:** 09-20-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-5	3-5 0				
			8-10					
5	5-7 soil		10-7	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			7-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB6S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▼** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		10-12	3-5 0				
			16-12					
5	5-7 soil		11-10	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ▼
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB7S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		8-8	3-5 0				
			10-10					
5	5-7 soil		6-5	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			6-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**LOG OF BORING:** CF7SSB8S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.3 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇:** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100% quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		10-9	3-5 0				
			8-9					
5	5-7 soil		9-9	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			8-12					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB9S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Plinenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-12	3-5 52				
			10-12					
5	5-7 soil		9-5	5-7 230	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**
CLIENT: SOUTHDIVNAVFACENGCOM	
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-
DRILL RIG: CME 75 / **DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoons
GROUND ELEV.: 76.4 FT. NGVD / **MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.	
	1-3 soil			1-3 0		
	3-5 soil		6-4	3-5 120		
			3-6			
5	5-7 soil		6-7	5-7 100	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.	
			7-8			
					End of boring: 7'bls.	
10						

groundwater encountere
bottom hole

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB9S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-12	3-5 152				
			10-12					
5	5-7 soil		9-5	5-7 230	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB11S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		5-5	3-5 0.9				
			5-5					
5	5-7 soil		6-5	5-7 141	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**LOG OF BORING:** CF7SSB12S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▼** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-4	3-5 0				
			4-5					
5	5-7 soil		2-2	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			2-2					
					End of boring: 7'bls.			groundwater encountered bottom hole ▼
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB13S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-7	3-5 0				
			8-9					
5	5-7 soil		7-3	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			3-3					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB14S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-8	3-5 0				
			10-11					
5	5-7 soil		9-9	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			6-6					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB15S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-22-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.6 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 6.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-22-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		5-5	3-5 0				
			5-4					
5	5-7 soil		4-2	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-5					groundwater encountered ∇
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB16S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-22-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.0 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-22-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-9	3-5 0				
			12-11					
5	5-7 soil		4-3	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			9-11					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB17S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-22-94	**COMPLETED:** 09-22-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.7 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-22-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		3-3	3-5 0				
			5-5					
5	5-7 soil		5-8	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			9-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
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 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**LOG OF BORING:** CF7SSB18S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-24-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.3 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-24-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 601	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 712				split-spoons
	3-5 soil		3-5	3-5 975				
			6-11					
5	5-7 soil		4-5	5-7 1025	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-5					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB19S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-24-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 10	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 312				split-spoons
	3-5 soil		3-4	3-5 401				
			9-7					
5	5-7 soil		3-2	5-7 575	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			2-2					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**		**LOG OF BORING:** CF7SSB20S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-24-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-24-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		3-5	3-5 0				
			10-10					
5	5-7 soil		6-5	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-3					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB21S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-24-94	**COMPLETED:** 09-24-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 6.5 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-24-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		1-1	3-5 0				
			1-2					
5	5-7 soil		3-7	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			10-10					groundwater encountered ∇
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB22S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-25-94	**COMPLETED:** 09-25-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		3-6	3-5 0				
			10-10					
5	5-7 soil		5-10	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			11-11					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB23S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-25-94	**COMPLETED:** 09-25-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-6	3-5 0				
			10-10					
5	5-7 soil		8-8	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			8-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:**	**LOG OF BORING:** CF7SSB24S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 09-25-94	**COMPLETED:** 09-25-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.7 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-25-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		6-9	3-5 0				
			10-7					
5	5-7 soil		5-6	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-3					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB25S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-25-94	**COMPLETED:** 09-25-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 818				split-spoons
	3-5 soil		3-6	3-5 1340				
			8-14					
5	5-7 soil		4-9	5-7 867	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			12-11					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB26S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.7 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-3	3-5 0				
			2-2					
5	5-7 soil		5-4	5-7 38.1	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			8-4					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB27S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-25-94	**COMPLETED:** 09-25-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-25-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		6-2	3-5 0				
			2-2					
5	5-7 soil		5-4	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			6-9					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB28S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 9.9	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 12.8				split-spoons
	3-5 soil		5-6	3-5 830				
			6-7					
5	5-7 soil		5-5	5-7 145	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB29S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-28-94	**COMPLETED:** 09-28-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-28-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		5-3	3-5 0				
			3-4					
5	5-7 soil		5-8	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			8-10					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB30S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.1 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		4-5	3-5 0				
			6-6					
5	5-7 soil		2-2	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			2-3					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB31S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.1 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		5-6	3-5 0				
			6-3					
5	5-7 soil		2-2	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			6-5					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB32S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		2-2	3-5 0				
			2-3					
5	5-7 soil		2-2	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			3-3					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB33S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.1 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		6-6	3-5 0				
			10-10					
5	5-7 soil		10-9	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			10-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB34S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-26-94	**COMPLETED:** 09-26-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.8 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-26-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		2-2	3-5 0				
			2-3					
5	5-7 soil		5-5	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			4-6					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB35S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-08-94	**COMPLETED:** 10-08-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 10-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		8-10	3-5 0				
			7-9					
5	5-7 soil		10-5	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			3-4					groundwater encountered ∇
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB36S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-06-94	**COMPLETED:** 10-06-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.2 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 6 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 10-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		9-12	3-5 0				
			12-10					
5	5-7 soil		3-4	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			groundwater encountered ▽
			2-2					
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB37S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-06-94	**COMPLETED:** 10-06-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 6 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 10-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		8-13	3-5 0				
			12-16					
5	5-7 soil		7-8	5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			7-5					groundwater encountered ▽
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**LOG OF BORING:** CF7SSB38S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: n/a		**DATE STARTED:** 10-10-94	**COMPLETED:** 10-10-94
DRILL RIG: n/a	**DRILL MTHD.:** n/a	**SAMP. MTHD.:** Hand Auger	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.6 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 6 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 10-10-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-7'bls: Hand Auger
	1-3 soil			1-3 0				
	3-5 soil			3-5 0				
5	5-7 soil			5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
								groundwater encountered ∇
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB39S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: n/a	**DATE STARTED:** 10-11-94	**COMPLETED:** 10-11-94
DRILL RIG: n/a	**DRILL MTHD.:** n/a	**SAMP. MTHD.:** Hand Auger	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.6 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▼** 6 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 10-11-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-7'bls: Hand Auger
	1-3 soil			1-3 0				
	3-5 soil			3-5 0				
5	5-7			5-7 0	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
								groundwater encountered ▼
					End of boring: 7'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB40
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-01-94	**COMPLETED:** 11-05-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: n/a FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 11-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					0-7.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, well sorted, clean, loose.		SP	0-4'bls post hole
5	6-8 soil		9-10	6-8 0				
			11-9		7.0-10.0 *Clayey Sand (SC)*, 100%, light red to yellowish-brown, fine-grained, sub-angular to sub-rounded, moderately well sorted, soft, saturated.		SC	
			3-4	8-10 13.8				
			4-3					
10				10-12 0	10.0-80.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, saturated.		SP	groundwater encountered ▽
15								
20	20-22 soil		5-7	20-22 6.5				
			7-8					
25								
30								
					33.0-55.0 color change; light brown to dark gray.			
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB40
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-01-94	**COMPLETED:** 11-05-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: n/a FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ▽** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 11-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 1			
					Sand continued.		SP	
45								
50	49-51 soil		1-2 2-2	49-51 3				
55					55.0-80.0 color change; medium gray.			
60								
65								
70	70-72 soil		5-7 7-8	70-72 218				
75								
80	80-82 soil			80-82 0			CL	

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB40
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-01-94	**COMPLETED:** 11-05-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: n/a FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ∇** 10 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 11-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
					Continued from PAGE 2			
			60-50		80.0-92.0 *Clayey Sand (SC)*, 100%, quartz, medium to dark gray, fine-to medium-grained, sub-angular, poorly sorted, some dolomite cobbles, shell replacement features visible.		CL	
			ref					
85								
90	90-92 soil		60-100	90-92 0	Samples collected were analyzed for geotechnical analysis.			
			ref					
					End of boring: 92'bls.			bottom hole
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB1
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-05-94	**COMPLETED:** 12-05-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 6.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-05-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 62.1	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 32.2				
	4-8 soil			4-6 1100	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals and cyanide.			
			3-5					
5			7-5					
					End of boring: 8'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**LOG OF BORING:** CF7SB2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-06-94	**COMPLETED:** 12-06-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ∇** 6.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-06-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 L3	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, some clay.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 3.5				
	4-6 soil		1-1	4-6 L8	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
5			1-2					
					End of boring: 6'bls.			
								groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**LOG OF BORING:** CF7SB3
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-08-94	**COMPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 6.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 3.7	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, trace clay.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 6.8				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			8-10					
5			9-5					
					End of boring: 6'bls.			
								groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB4
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-08-94	**COMPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.1 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ▼** 6 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			8-6					
5			4-3					
					End of boring: 6'bls.			groundwater encountered bottom hole ▼
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB5
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-06-94	**COMPLETED:** 12-06-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ▽** 6.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 612	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			3-4					
5			8-10					
					End of boring: 8'bls.			groundwater encountered bottom hole ▽
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB6
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-08-94	**COMPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ▽** 7.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 2.1				
				4-6 0				
			6-8					
5								
			10-15					
	6-8 soil			6-8 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			13-13					
			7-8					groundwater encountered ▽
					End of boring: 8'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB7
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-06-94	**COMPLETED:** 12-06-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ▽** 6 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			9-10					
5			13-15					
					End of boring: 6'bls.			groundwater encountered bottom hole ▽
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB8
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-08-94	**COMPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.8 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ∇** 6 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			9-9					
5			10-15					
					End of boring: 6'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB9
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-06-94	**COMPLETED:** 12-06-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 77.0 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ∇** 6 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			7-8					
5			13-15					
					End of boring: 6'bls.			groundwater encountered bottom hole ∇
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:**	**LOG OF BORING:** CF7SB10
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-08-94	**COMPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ▽** 5.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP) and Sandy Clay (CL)* sand, 90%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately sorted; sandy clay, 10%, quartz, light to medium gray to yellowish-brown, dense, wet, homogeneous, sandy.		SP CL	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 319	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			6-8					
5			9-11					groundwater encountered ▽
					End of boring: 8'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SB11
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-06-94	**COMPLETED:** 12-06-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.3 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-06-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 0				
	4-8 soil			4-8 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			4-4					
5								
			4-8					
					End of boring: 8'bls.			groundwater encountered bottom hole ∇
10								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB12
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-08-94	**CONPLETED:** 12-08-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.5 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-5.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 0				
	4-8 soil			4-8 0				
			4-5					
5			6-12		5.0-8.0 *Sandy Clay (CL)*, 100%, quartz, light to medium gray to yellowish-brown, dense, moist to wet, homogeneous, sandy.		CL	
					Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			groundwater encountered bottom hole ∇
					End of boring: 8'bls.			
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB13
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-07-94	**COMPLETED:** 12-07-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 5.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-07-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 18	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			3-5					
5			6-8					groundwater encountered ∇
					End of boring: 8'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB14
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-07-94	**COMPLETED:** 12-07-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.7 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 7.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-08-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, trace sandy clay		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 14.3				
				4-6 0				
			8-8					
5								
			9-8					
	6-8 soil			6-8 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			4-5					
			6-9					groundwater encountered ∇
					End of boring: 8'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB15
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-07-94	**COMPLETED:** 12-07-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 75.9 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 8 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-07-94		**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 25.7	0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-8'bls: split-spoon
				2-4 127				
	4-6 soil			4-6 447	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			1-1					
5			1-3					
					End of boring: 8'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SB16
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 12-07-94	**COMPLETED:** 12-07-94
DRILL RIG: Speedstar 300	**DRILL MTHD.:** 2.25" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.2 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 6 FT. BLS	**DEPTH TO ▽** 5.5 FT. BLS
LOGGED BY: B. McGuffee	**HOLE ABANDONMENT DATE:** 12-07-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
				0-2 0	0-6.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: Post Hole 4-6'bls: split-spoon
				2-4 0				
	4-6 soil			4-6 0	Samples collected were analyzed for USEPA Level IV analysis of VOCs, BNAs, pesticides/PCBs, TPH/TOC, metals, and cyanide.			
			8-8					
5			7-5					groundwater encountered ▽
					End of boring: 6'bls.			bottom hole
10								

 ABB ENVIRONMENTAL SERVICES, INC.

Section 4.3

Site 8 Soil Boring Logs

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB1
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-16-95	**COMPLTD:** 02-16-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 8 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-16-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 48.1	0-7.0 *Sand (SP)*, 100%, quartz, gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, silty.		SP	0-2'bls: hand auger 2-8'bls: split-spoon	
				2-4 13.2					
			3-3						
			4-5						
	4-6 soil			4-6 23.9					
			3-5						
5			4-6						
				6-8 n/a				groundwater encountered	▽
			6-7						
			9-14		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 8'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-16-95	**COMPLTD:** 02-16-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 72.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 8 FEET.	**DPTH TO ∇** 8 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-16-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			2-7	0-2 3.2	0-8.0 *Sand (SP)*, 100%, quartz, light brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, silty.		SP	0-8'bls: split-spoon	
			7-6						
			12-14	2-4 6.3					
			15-13						
			12-13	4-6 5.6					
5			10-6						
	6-8 soil		5-8	6-8 7.5				groundwater encountered	
			7-6		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 8'bls.			bottom hole	∇
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB3
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 6 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-7	0-2 3.6	0-6.0 *Sand (SP)*, 100%, quartz, gray to black, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, silty.		SP	0-6'bls: split-spoon	
			9-10						
			5-6	2-4 17.2					
			4-6						
	4-6 soil		3-2	4-6 8.5					
5			2-3		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered ∇	
					End of boring: 6'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB4
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			3-2	0-2 8.5	0-4.0 *Sand (SP)*, 100%, quartz, light gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, silty.		SP	0-4'bls: split-spoon	
			2-3						
	2-4 soil			2-4 10.2					
			3-2						
			3-4		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			groundwater encountered bottom hole	∇
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB5
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			2-4	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, trace clay.		SP	0-4'bls: split-spoon	
			8-12						
	2-4 soil			2-4 0					
			10-11						
			13-5		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			groundwater encountered bottom hole	∇
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB6
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-6	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, silty.		SP	0-4'bls: split-spoon	
			8-6						
	2-4 soil			2-4 0					
			9-7						
			5-9		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered	∇
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SB7
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95	**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-5	0-2 498	0-4.0 *Sand (SP)*, 100%, quartz, light gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, silty.		SP	0-4'bls: split-spoon	
			7-9						
	2-4 soil		5-5	2-4 1057					
			5-7		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered	∇
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** CF8SB8
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.6 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-5	0-20	0-4.0 *Sand (SP)*, 100%, quartz, medium gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-4'bls: split-spoon	
			11-12						
	2-4 soil			2-4 0					
			10-8						
			6-9		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered	∇
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB9
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			5-6	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light gray to black, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, trace clay.		SP	0-4'bls: split-spoon	
			8-6						
	2-4 soil		5-7	2-4 0					
			8-10		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			groundwater encountered bottom hole	∇
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** CF8SB10
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-5	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light gray to black, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-4'bls: split-spoon	
			8-8						
	2-4 soil			2-4 0					
			6-6						
			7-7		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			groundwater encountered bottom hole	∇
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB11
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ▽** 2.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			2-3	0-2 0	0-4.0 *Sandy Clay (CL)*, 100%, quartz, dark brown to medium gray, fine-to medium-grained, poorly sorted, slightly plastic, stiff.		CL	0-4'bls: split-spoon	
			7-10						
	2-4 soil			2-4 0					
			7-7					groundwater encountered	▽
			10-7		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** CF8SB12
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			3-3	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light gray to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	0-4'bls: split-spoon	
			4-3						
	2-4 soil			2-4 157					
			2-6						
			6-7		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered	∇
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		LOG of WELL:	BORING NO. CF8SB13
CLIENT: SOUTHDIVNAVFACENGCOM			PROJECT NO: 8520.22
CONTRACTOR: Groundwater Protection Inc.		DATE STARTED: 02-18-95	COMPLTD: 02-18-95
METHOD: Dietrich D-120	CASE SIZE: 2 3/8" ID HSA	SCREEN INT.: split spoon	PROTECTION LEVEL: D
TOC ELEV.: 69.1 FEET.	MONITOR INST.: Microtip-PID	TOT DPTH: 4 FEET.	DPTH TO ∇ 4 FEET.
LOGGED BY: B. McGuffee	WELL DEVELOPMENT DATE: 02-18-95		SITE: 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			2-7	0-2 1.8	0-4.0 *Sand (SP)*, 100%, quartz, medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	0-4'bls: split-spoon	
			14-16						
	2-4 soil		15-12	2-4 3.9					
			18-26		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			groundwater encountered bottom hole	∇
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB14
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-17-95	**COMPLTD:** 02-17-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.6 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-17-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			14-5	0-2 6	0-4.0 *Sand (SP)*, 100%, quartz, brown to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	0-4'bls: split-spoon	
			5-7						
	2-4 soil			2-4 9.5					
			3-3						
			6-7		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,			groundwater encountered	∇
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** CF8SB15
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-18-95	**COMPLTD:** 02-18-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.5 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ▽** 2.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-18-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			5-8	0-24	0-4.0 *Sand (SP)*, 100%, quartz, medium gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	0-4'bls: split-spoon	
			9-11						
	2-4 soil			2-40					
			6-5					groundwater encountered	▽
			8-10		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SB16
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-18-95	**COMPLTD:** 02-18-95
METHOD: Dietrich D-120	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 4 FEET.	**DPTH TO ▽** 2.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-18-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
			4-7	0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, light brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-4'bls: split-spoon	
			9-8						
	2-4 soil			2-4 0					
			6-6					groundwater encountered	▽
			5-9		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 4'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		LOG of WELL:	BORING NO. CF8SB17
CLIENT: SOUTHDIVNAVFACENGCOM			PROJECT NO: 8520.22
CONTRACTOR: n/a		DATE STARTED: 02-20-95	COMPLTD: 02-20-95
METHOD: n/a	CASE SIZE: Hand Auger	SCREEN INT.: split spoon	PROTECTION LEVEL: D
TOC ELEV.: 56.8 FEET.	MONITOR INST.: Microtip-PID	TOT DPTH: 2 FEET.	DPTH TO ∇ 1 FEET.
LOGGED BY: B. McGuffee	WELL DEVELOPMENT DATE: 02-20-95		SITE: 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-20	0-2.0 *Sand (SP)*, 100%, quartz, light brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP	0-2'bls: hand auger	
								groundwater encountered	∇
					Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 2'bls.			bottom hole	
5									
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB1S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-04-94	**COMPLTD:** 10-04-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 1.9	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 1					
	3-5 soil		4-3	3-5 0					
			2-3						
5	5-7 soil		7-13	5-7 0				groundwater encountered	▽
			13-15		Samples collected were analyzed for USEPA level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SSB2S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-04-94	**COMPLTD:** 10-04-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.5 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-04-94	**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		4-7	3-5 0					
			9-13						
5	5-7 soil		5-8	5-7 0				groundwater encountered	∇
			8-13		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB3S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-04-94	**COMPLTD:** 10-04-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		10-9	3-5 0					
			10-9						
5	5-7 soil		3-7	5-7 0					
								groundwater encountered	∇
			10-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB4S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-04-94	**COMPLTD:** 10-04-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 2	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 3.3					
	3-5 soil		4-6	3-5 4.1					
			9-11						
5	5-7 soil		3-7	5-7 4.3					
								groundwater encountered	∇
			10-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB5S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 6	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 13					
	3-5 soil		5-6	3-5 5					
			6-8						
5	5-7 soil		4-5	5-7 4				groundwater encountered	∇
			9-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB6S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 25	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 28					
	3-5 soil		5-5	3-5 31					
			7-5						
5	5-7 soil		3-9	5-7 21				groundwater encountered	∇
			9-11		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB7S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.5 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 5	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 6					
	3-5 soil		7-5	3-5 0					
			5-6						
5	5-7 soil		10-7	5-7 1					
								groundwater encountered	▽
			8-11		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB8S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.6 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		6-7	3-5 0					
			4-7						
5	5-7 soil		6-4	5-7 0					
								groundwater encountered	∇
			3-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** CF8SSB9S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		2-3	3-5 0					
			3-2						
5	5-7 soil		5-5	5-7 0					
								groundwater encountered	∇
			5-9		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB10S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-05-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		3-3	3-5 0					
			7-9						
5	5-7 soil		4-4	5-7 0					
								groundwater encountered	▽
			3-5		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB11S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-06-94	**COMPLTD:** 10-06-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 71.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-06-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-11	3-5 0					
			6-9						
5	5-7 soil		4-5	5-7 0					
			3-3		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			groundwater encountered bottom hole	∇
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SSB12S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-06-94	**COMPLTD:** 10-06-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-06-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil			3-5 0					
			7-8						
			9-9						
5	5-7 soil			5-7 0					
			6-5						
								groundwater encountered	∇
			6-12		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SSB13S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-06-94	**COMPLTD:** 10-06-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-06-94	**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, medium to very dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		7-8	3-5 0					
			7-5						
5	5-7 soil		5-6	5-7 0					
								groundwater encountered	∇
			8-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SSB14S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 73.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 1.4	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil			3-5 0					
			7-7						
			8-7						
5	5-7 soil			5-7 0					
			5-6					groundwater encountered	∇
			8-6		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB15S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 73.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		4-5	3-5 0					
			5-7						
5	5-7 soil		6-7	5-7 8				groundwater encountered	∇
			7-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB16S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.6 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-10	3-5 0.1					
			9-10						
5	5-7 soil		7-12	5-7 0				groundwater encountered	∇
			12-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**BORING NO.** CF8SSB17S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94	**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil			3-5 0					
			4-7						
			5-5					groundwater encountered	∇
5	5-7 soil			5-7 0					
			6-7						
			7-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB18S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-11	3-5 0					
			10-10						
5	5-7 soil		8-7	5-7 0					
								groundwater encountered	∇
			9-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB19S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-6	3-5 0					
			7-7						
5	5-7 soil		6-5	5-7 0					
								groundwater encountered	∇
			8-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-1
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-22-94	**COMPLTD:** 08-23-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 96 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-23-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85									
					88.0-96.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, wet, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.		CL DOLOMITE		
90									
95	95-96 water							bottom hole augers w/ sampling string: 93'bls w/ augers: 8'bls bottom hole probe	
					96.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.		DOLOMITE		
100					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 96'bls.				
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-24-94	**COMPLTD:** 08-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 94 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-86.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-8'bls: split-spoon	
				2-4 0					
	4-6 soil		2-2	4-6 0					
5			3-3						
	6-8 soil		3-4	6-8 0				groundwater encountered	∇
			5-9						
10									
	11-15 water							wl sampling string: 14'bls wl augers: 6'bls	
15									
	18-22 water							wl sampling string: 0 wl augers: 7'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 5'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB9S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-12	3-5 152				
			10-12					
5	5-7 soil		9-5	5-7 230	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

ECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB10S
IENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
RILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
RILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 76.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		6-4	3-5 120				
			3-6					
5	5-7 soil		6-7	5-7 100	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			7-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-24-94	**COMPLTD:** 08-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 94 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 4'bls	
55									
60									
65									
70									
	72-74 water							wl sampling string: 0 wl augers: 7'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-2
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-24-94	**COMPLTD:** 08-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 94 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85									
					86.0-94.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, wet, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.		CL DOLOMITE		
90									
	93-94 water							bottom hole augers w/ sampling string: 0	
					94.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.		DOLOMITE	w/ augers: 7'bls bottom hole probe	
95									
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
100					End of boring: 94'bls.				
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-3
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-30-94	**COMPLTD:** 08-30-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 69.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 81 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-30-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2	0-78.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-8'bls: split-spoon	
				0					
				2-4					
				0					
	4-6			4-6					
5	soil		1-2	0.5				groundwater encountered	▽
			3-4						
	6-8			6-8					
	soil		3-4	1.8					
			5-5						
10									
	11-15							wl sampling string:	
	water							12'bls	
								wl augers: 4'bls	
15									
	18-22							wl sampling string:	
	water							0	
20								wl augers: 4'bls	
25									
	28-32							wl sampling string:	
	water							0	
30								wl augers: 4'bls	
35									
40									
45									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-3
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-30-94	**COMPLTD:** 08-30-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 69.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 81 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-30-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
50									
	52-56 water							wl sampling string: 0 wl augers: 4'bls	
55									
60									
65									
70									
	72-74 water							wl sampling string: 72'bls wl augers: 4'bls	
75									
80					78.0-81.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, wet, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.		CL DOLOMITE DOLOMITE	bottom hole augers	
85					81.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.				
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
90					End of boring: 81'bls.				

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** GS-8-4
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-26-94	**COMPLTD:** 08-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 72.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-86.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-8'bls: split-spoon	
				2-4 0					
	4-6 soil		2-4	4-6 0					
5			3-5						
	6-8 soil		5-4	6-8 0					
			6-7					groundwater encountered	∇
10									
	11-15 water							wl sampling string: 0 wl augers: 8'bls	
15									
	18-22 water							wl sampling string: 0 wl augers: 8'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 9'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-4
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-26-94	**COMPLTD:** 08-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 72.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 9'bls	
55									
60									
65									
70									
	72-74 water							wl sampling string: 0 wl augers: 11'bls	
75									
80									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-4
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-26-94	**COMPLTD:** 08-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 72.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85					86.0-91.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, wet, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.		CL DOLOMITE		
90	90-91 water				91.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.		DOLOMITE	bottom hole augers w/ sampling string: 88'bls w/ augers: 11'bls bottom hole probe	
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 91'bls.				
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-5
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-26-94	**COMPLTD:** 08-26-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 69.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 32 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-26-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-32.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-8'bls: split-spoon	
				2-4 0					
	4-6 soil		2-2	4-6 0					
5			3-5						
			3-5	6-8 n/a				groundwater encountered	∇
			7-9						
10									
	11-15 water							wl sampling string: 0 wl augers: 7'bls	
15									
	18-22 water							wl sampling string: 0 wl augers: 8'bls	
20									
25									
	28-32 water							bottom hole augers wl sampling string: 0 wl augers: 8'bls	
30									
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe	
					End of boring: 32'bls.				
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-6
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-25-94	**COMPLTD:** 08-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 71.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 56 FEET.	**DPTH TO ∇** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-56.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: split-spoon	
				2-4 0					
	4-6 soil		3-4	4-6 0					
5			6-6						
	6-8 soil		3-6	6-8 0					
			9-12					groundwater encountered	∇
			9-9	8-10 n/a					
			17-17						
10	11-15 water							wl sampling string: 0 wl augers: 7'bls	
15									
	18-22 water							wl sampling string: 0 wl augers: 7'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 7'bls	
30									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-6
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-25-94	**COMPLTD:** 08-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 71.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 56 FEET.	**DPTH TO ▽** 7 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
35									
40									
45									
50									
	52-56 water							bottom hole augers wl sampling string: 52'bls wl augers: 7'bls	
55					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe	
					End of boring: 56'bls.				
60									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-7
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-27-94	**COMPLTD:** 08-29-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 56 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-29-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-56.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-6'bls: split-spoon	
	2-4 soil			2-4 0					
	4-6 soil		3-3	4-6 0					
5			3-5					groundwater encountered	∇
10	11-15 water							wl sampling string: 0 wl augers: 4'bls	
15	18-22 water							wl sampling string: 0 wl augers: 7'bls	
20									
25	28-32 water							wl sampling string: 0 wl augers: 7'bls	
30									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-7
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-27-94	**COMPLTD:** 08-29-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 56 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-29-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
35									
40									
45									
50									
	52-56 water							bottom hole augers wl sampling string: 54'bls wl augers: 4'bls	
55					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe	
					End of boring: 56'bls.				
60									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-8
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-07-94	**COMPLTD:** 09-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 6.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-88.0 *Sand (SP)*, 100%, quartz, dark gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole 4-6'bls: split-spoon	
	2-4 soil			2-4 0					
	4-6 soil		1-3 6-6	4-6 0					
5								groundwater encountered	▽
	8-12 water							wl sampling string: 0 wl augers: dry	
10									
15									
	18-22 water							wl sampling string: 0 wl augers: 6'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 5.5'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-8
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-07-94	**COMPLTD:** 09-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 6.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 51'bls wl augers: 6'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 0 wl augers: 7'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-8
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-07-94	**COMPLTD:** 09-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 6.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85									
	88-90 water				88.0-90.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, saturated, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.		CL	bottom hole augers wl sampling string: 0	
90					90.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.		DOLOMITE DOLOMITE	wl augers: 13'bls bottom hole probe	
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 90'bls.				
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-9
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-08-94	**COMPLTD:** 09-08-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 71.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-4.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole 4-6'bls: split-spoon	
	2-4 soil			2-4 0					
	4-6 soil		1-2	4-6 0	4.0-82.0 *Clayey Sand (SC)*, 100%, quartz, medium to dark brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, clayey.		SC	groundwater encountered	∇
5			5-5						
	8-12 water							wl sampling string: 0 wl augers: dry	
10									
15									
	18-22 water							wl sampling string: 0 wl augers: 10'bls	
20									
25									
	28-32 water							wl sampling string: 29'bls wl augers: 7'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-9
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-08-94	**COMPLTD:** 09-08-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 71.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Clayey Sand continued.		SC		
45									
50									
	52-56 water							wl sampling string: 52'bls wl augers: 5'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 73'bls wl augers: 6'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-9
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-08-94	**COMPLTD:** 09-08-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 71.0 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Clayey Sand continued.		SC		
					82.0-85.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, medium to dark gray, saturated, plastic, soft, dense, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, moderately soft, shell replacement features visible.	DOLOMITE	CL		
85	85-90 water				85.0-90.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible, weathered.	DOLOMITE		bottom hole augers w/ sampling string: 85'bls w/ augers: 5'bls	
90					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.			bottom hole probe	
					End of boring: 90'bls.				
95									
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-10
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-13-94	**COMPLTD:** 09-14-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 84 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-14-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0 2-4 0.2	0-84.0 *Sand (SP)*, 100%, quartz, brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-8'bls: split-spoon	
	4-6 soil		2-3	4-6 0.5					
5			5-5						
	6-8 soil		3-5	6-8 0.4				groundwater encountered	∇
			7-8						
	8-12 water							wl sampling string: 0 wl augers: 9'bls	
10									
15									
	18-22 water							wl sampling string: 0 wl augers: 9'bls	
20									
25									
	28-32 water							wl sampling string: 13'bls wl augers: 9'bls	
30									
35									
40									
45									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-10
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-13-94	**COMPLTD:** 09-14-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 84 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-14-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
50									
	52-56 water							wl sampling string: 0 wl augers: 9'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 0 wl augers: 10'bls	
75									
80	80-84 water							bottom hole augers wl sampling string: 0 wl augers: 9'bls	
85					84.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible.		DOLOMITE	bottom hole probe	
90					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				

End of boring: 84'bls.

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-11
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-19-94	**COMPLTD:** 09-20-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 75 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-20-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-75.0 *Sand (SP)*, 100%, quartz, pale brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole	
	2-4 soil			2-4 0				groundwater encountered	▽
5	5-9 water							wl sampling string: 0 wl augers: 4'bls	
10	11-15 water							wl sampling string: 0 wl augers: 4'bls	
15									
20	18-22 water							wl sampling string: 0 wl augers: 4'bls	
25									
30	28-32 water							wl sampling string: 20'bls wl augers: 4'bls	
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-11
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-19-94	**COMPLTD:** 09-20-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 75 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-20-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 5'bls	
55									
60									
65									
70									
	72-75 water							bottom hole augers wl sampling string: 0 wl augers: 5'bls bottom hole probe	
75					Samples collected were analyzed for USEPA Method 8010/8020 and TPH. End of boring: 75'bls.				
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-12
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-21-94	**COMPLTD:** 09-22-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 66.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-22-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-75.0 *Sand (SP)*, 100%, quartz, pale brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty, shell fragments @ 66'bls.		SP	0-4'bls: post hole	
	2-4 soil			2-4 35				groundwater encountered	∇
5	5-9 water							wl sampling string: 0 wl augers: 5'bls	
10	11-15 water							wl sampling string: 0 wl augers: 5'bls	
15									
	18-22 water							wl sampling string: 20'bls wl augers: 6'bls	
20									
25									
	28-32 water							wl sampling string: 30'bls wl augers: 4'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-12
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-21-94	**COMPLTD:** 09-22-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 66.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-22-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 5'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 0 wl augers: 5'bls	
75					75.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 85%, quartz, gray, medium-to coarse-grained, saturated, plastic, soft, dense, sandy; dolomite cobbles, 15%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible.		CL DOLOMITE		
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-12
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-21-94	**COMPLTD:** 09-22-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 66.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-22-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sandy Clay continued.		CL		
85							DOLOMITE		
90	90-92 water				89.0-92.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible, weathered.		DOLOMITE	bottom hole augers w/ sampling string: 0 w/ augers: 6'bls bottom hole probe	
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
95					End of boring: 92'bls.				
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**		**BORING NO.** GS-8-13
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-23-94	**COMPLTD:** 09-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-81.0 *Sand (SP)*, 100%, quartz, pale brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole 4-6'bls: split spoon	
	2-4 soil			2-4 0					
				4-6 0					
5			1-1 2-3					groundwater encountered	∇
	8-12 water							wl sampling string: 0 wl augers: 6'bls	
10									
15									
	18-22 water							wl sampling string: 21'bls wl augers: 5'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 5'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-13
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-23-94	**COMPLTD:** 09-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 9'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 0 wl augers: 12'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-13
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-23-94	**COMPLTD:** 09-25-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 70.2 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-25-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
					81.0-93.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 85%, quartz, gray, medium-to coarse-grained, saturated, plastic, dense, soft, sandy, decreasing to 15% @ 90'bls; dolomite cobbles, 15%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible, increasing to 85% @ 90'bls.		CL DOLOMITE		
85									
90	90-93 water							bottom hole augers w/ sampling string: 0 w/ augers: 12'bls bottom hole probe	
					93.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible, weathered.		DOLOMITE		
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 93'bls.				
100									
105									
110									
115									
120									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-14
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-26-94	**COMPLTD:** 09-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 65.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ∇** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-81.0 *Sand (SP)*, 100%, quartz, pale brown to dark gray to black, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole 4-8'bls: split spoon	
	2-4 soil			2-4 25					
	4-6 soil			4-6 25					
5			5-3						∇
			3-4	6-8 10				groundwater encountered	
			4-5						
			6-7						
10									
	11-15 water							wl sampling string: 0 wl augers: 6'bls	
15									
	18-22 water							wl sampling string: 21'bls wl augers: 6'bls	
20									
25									
	28-32 water							wl sampling string: 31'bls wl augers: 5'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-14
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-26-94	**COMPLTD:** 09-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 65.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 8'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 0 wl augers: 8'bls	
75									
80									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-14
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 09-26-94	**COMPLTD:** 09-27-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 65.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: D. Jones	**WELL DEVELOPMENT DATE:** 09-27-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
					81.0-92.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 85%, quartz, gray, medium-to coarse-grained, saturated, plastic, dense, soft, sandy, decreasing to 15% @ 90'bls; dolomite cobbles, 15%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible, increasing to 85% @ 90'bls.		CL DOLOMITE		
85									
90	90-92 water							bottom hole augers w/ sampling string: 70'bls w/ augers: 10'bls bottom hole probe	
					92.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, very poorly cemented, cavernous, some shell replacement features visible, weathered.		DOLOMITE		
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 92'bls.				
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-15
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-03-94	**COMPLTD:** 10-04-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 62.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-83.0 *Sand (SP)*, 100%, quartz, gray to dark gray, very fine-to fine-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole	
	2-4 soil			2-4 0					
	4-9 water							groundwater encountered wl sampling string: 0 wl augers: 1.5'bls	▽
5									
10									
	11-15 water							wl sampling string: 9'bls wl augers: 3.5'bls	
15									
	18-22 water							wl sampling string: 6.5'bls wl augers: 4'bls	
20									
25									
	28-32 water							wl sampling string: 27.5'bls wl augers: 4'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-15
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-03-94	**COMPLTD:** 10-04-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 62.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 46.5'bls wl augers: 3'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 71'bls wl augers: 5'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-15
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-03-94	**COMPLTD:** 10-04-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 62.3 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85					83.0-89.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, quartz, gray, saturated, plastic, dense, soft, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible.		CL DOLOMITE		
90	90-91 water				89.0-91.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, poorly cemented, cavernous, some shell replacement features visible, weathered.		DOLOMITE	bottom hole augers w/ sampling string: 85'bls w/ augers: 4.5'bls bottom hole probe	
					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
95					End of boring: 91'bls.				
100									
105									
110									
115									
120									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-16
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 63.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-85.0 *Sand (SP)*, 100%, quartz, gray to dark gray, very fine-to fine-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole	
	2-4 soil			2-4 0					
	4-9 water							groundwater encountered wl sampling string: 8'bls wl augers: 3'bls	▽
5									
10	11-15 water							wl sampling string: 13.5'bls wl augers: 4'bls	
15									
	18-22 water							wl sampling string: 20.5'bls wl augers: 3'bls	
20									
25									
	28-32 water							wl sampling string: 27.5'bls wl augers: 3.5'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-16
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 63.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 52'bls wl augers: 8'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 71'bls wl augers: 9'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-16
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-05-94	**COMPLTD:** 10-05-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 63.8 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-04-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85					85.0-90.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, quartz, gray, saturated, plastic, dense, soft, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible.	DOLOMITE	CL		
90	90-92 water				90.0-92.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, poorly cemented, cavernous, some shell replacement features visible, weathered.	DOLOMITE		bottom hole augers w/ sampling string: 88'bls w/ augers: 7'bls bottom hole probe	
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 92'bls.				
100									
105									
110									
115									
120									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-17
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-07-94	**COMPLTD:** 10-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 60.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-2 soil			0-2 0	0-83.0 *Sand (SP)*, 100%, quartz, gray to dark gray, very fine-to fine-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, silty.		SP	0-4'bls: post hole	
	2-4 soil			2-4 0					
	4-9 water							groundwater encountered wl sampling string: 4.5'bls wl augers: 3'bls	∇
5									
10	11-15 water							wl sampling string: 10'bls wl augers: 4'bls	
15									
	18-22 water							wl sampling string: 17'bls wl augers: 4'bls	
20									
25									
	28-32 water							wl sampling string: 29.5'bls wl augers: 4'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-17
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-07-94	**COMPLTD:** 10-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 60.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 51.5'bls wl augers: 6'bls	
55									
60									
65									
70									
	72-76 water							wl sampling string: 72'bls wl augers: 4'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-17
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 10-07-94	**COMPLTD:** 10-07-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 60.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 92 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 10-07-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sand continued.		SP		
85					83.0-90.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, quartz, gray, saturated, plastic, dense, soft, sandy; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly to moderately well cemented, shell replacement features visible.		CL DOLOMITE		
90	90-92 water				90.0-92.0 *Dolomite*, 100%, medium gray to moderate yellowish-brown, microcrystalline, poorly cemented, cavernous, some shell replacement features visible, weathered.		DOLOMITE	bottom hole augers wl sampling string: 89'bls wl augers: 6.5'bls bottom hole probe	
95					Samples collected were analyzed for USEPA Method 8010/8020 and TPH.				
					End of boring: 92'bls.				
100									
105									
110									
115									
120									

CHAPTER 5.0

WATER LEVEL DATA AND MONITORING WELL LOGS

Section 5.1

Water Level Data, Sites 7 and 8

WATER LEVEL DATA: NAS Cecil Field: Operable Unit 3							
Site 7		December 18 to 20, 1994					
Well No.		Elevation	Screened	Water level		Water level	Comments
		TOC	Interval	FT, below		Elevation	
		Ft, NGVD	Ft, bls	TOC		Ft, NGVD	
CEF-7-1S		78.35	05 TO 15	7.64		70.71	
CEF-7-2I		78.39	40 TO 50	7.7		70.69	
CEF-7-3D		78.52	81 TO 91	9.03		69.49	
CEF-7-4S		78.01	10 TO 20	7.1		70.91	
CEF-7-5D		78.15	83 TO 93	8.7		69.45	
CEF-7-6S		78.56	10 TO 20	8.12		70.44	
CEF-7-7I		78.62	40 TO 50	8.65		69.97	
CEF-7-8S		80.13	15 TO 25	9.92		70.21	
CEF-7-9I		80.00	40 TO 50	10.26		69.74	
CEF-7-10S		79.86	10 TO 20	9.76		70.1	
CEF-7-11D		79.90	82 TO 92	10.01		69.89	
CEF-7-12S		78.34	10 TO 20	8.2		70.14	
CEF-7-13S		78.91	05 TO 15	10		68.91	
CEF-7-14I		78.99	40 TO 50	10.35		68.64	
CEF-7-15S		78.9	05 TO 15	7.58		71.32	
Site 7		January 30 and 31, 1995					
Well No.		Elevation	Screened	Water level		Water level	Comments
		TOC	Interval	FT, below		Elevation	
		Ft, NGVD	Ft, bls	TOC		Ft, NGVD	
CEF-7-1S		78.35	05 TO 15	8.03		70.32	
CEF-7-2I		78.39	40 TO 50	8.09		70.3	
CEF-7-3D		78.52	81 TO 91	9.09		69.43	
CEF-7-4S		78.01	10 TO 20	7.49		70.52	
CEF-7-5D		78.15	83 TO 93	8.76		69.39	
CEF-7-6S		78.56	10 TO 20	8.52		70.04	
CEF-7-7I		78.62	40 TO 50	9.04		69.58	
CEF-7-8S		80.13	15 TO 25	10.14		69.99	
CEF-7-9I		80.00	40 TO 50	N/A		N/A	DEVELOPING
CEF-7-10S		79.86	10 TO 20	9.84		70.02	
CEF-7-11D		79.90	82 TO 92	10.12		69.78	
CEF-7-12S		78.34	10 TO 20	8.5		69.84	
CEF-7-13S		78.91	05 TO 15	10.32		68.59	
CEF-7-14I		78.99	40 TO 50	10.61		68.38	
CEF-7-15S		78.90	05 TO 15	7.98		70.92	
Notes:	TOC = top of casing			NGVD = National Geodetic Vertical Datum			
	Ft = feet			N/A = not available			
	bls = below land surface						

WATER LEVEL DATA: NAS Cecil Field: Operable Unit 3							
Site 7		April 15 & 16, 1995					
Well No.		Elevation	Screened	Water level		Water level	Comments
		TOC	Interval	FT, below		Elevation	
		Ft, NGVD	Ft, bls	TOC		Ft, NGVD	
CEF-7-1S		78.35	05 TO 15	7.70		70.65	
CEF-7-2I		78.39	40 TO 50	7.77		70.62	
CEF-7-3D		78.52	81 TO 91	8.94		69.58	
CEF-7-4S		78.01	10 TO 20	7.20		70.81	
CEF-7-5D		78.15	83 TO 93	8.60		69.55	
CEF-7-6S		78.56	10 TO 20	8.21		70.35	
CEF-7-7I		78.62	40 TO 50	8.78		69.84	
CEF-7-8S		80.13	15 TO 25	9.60		70.53	
CEF-7-9I		80.00	40 TO 50	10.07		69.93	DEVELOPING
CEF-7-10S		79.86	10 TO 20	9.34		70.52	
CEF-7-11D		79.90	82 TO 92	9.89		70.01	
CEF-7-12S		78.34	10 TO 20	7.98		70.36	
CEF-7-13S		78.91	05 TO 15	9.84		69.07	
CEF-7-14I		78.99	40 TO 50	10.22		68.77	
CEF-7-15S		78.90	05 TO 15	7.66		71.24	
WATER LEVEL DATA: NAS Cecil Field: Operable Unit 3							
Site 7		September 5 & 6, 1995					
Well No.		Elevation	Screened	Water level		Water level	Comments
		TOC	Interval	FT, below		Elevation	
		Ft, NGVD	Ft, bls	TOC		Ft, NGVD	
CEF-7-1S		78.35	05 TO 15	6.77		71.58	
CEF-7-2I		78.39	40 TO 50	6.86		71.53	
CEF-7-3D		78.52	81 TO 91	8.59		69.93	
CEF-7-4S		78.01	10 TO 20	6.30		71.71	
CEF-7-5D		78.15	83 TO 93	8.23		69.92	
CEF-7-6S		78.56	10 TO 20	7.31		71.25	
CEF-7-7I		78.62	40 TO 50	8.13		70.49	
CEF-7-8S		80.13	15 TO 25	8.87		71.26	
CEF-7-9I		80.00	40 TO 50	9.54		70.46	
CEF-7-10S		79.86	10 TO 20	8.83		71.03	
CEF-7-11D		79.90	82 TO 92	9.45		70.45	
CEF-7-12S		78.34	10 TO 20	7.18		71.16	
CEF-7-13S		78.91	05 TO 15	9.09		69.82	
CEF-7-14I		78.99	40 TO 50	9.58		69.41	
CEF-7-15S		78.90	05 TO 15	6.76		72.14	
Notes:	TOC = top of casing						
	Ft = feet						
	bls = below land surface						
	NGVD = National Geodetic Vertical Datum						

WATER LEVEL DATA: NAS Cecil Field; Operable Unit 3								
Site 8	April 15 & 16, 1995							
Well No.		Elevation TOC (Ft, NGVD)	Screened Interval (Ft, bls)	Water Level (FT, below TOC)		Water Level Elevation (Ft, NGVD)		Commets
CEF-8-1S		62.53	04 TO 14	5.36		57.17		
CEF-8-2I		62.30	40 TO 50	0.71		61.59		
CEF-8-3D		62.14	79 TO 89	0.82		61.32		
CEF-8-4S		65.47	03 TO 13	5.35		60.12		
CEF-8-5S		70.85	04 TO 14	8.90		61.95		
CEF-8-6S		72.18	04 TO 14	7.37		64.81		
CEF-8-7S		70.40	04 TO 14	5.60		64.80		
CEF-8-8I		70.65	55 TO 65	7.22		63.43		
CEF-8-9S		60.13	10 TO 20	3.84		56.29		
CEF-8-10S		70.90	03 TO 13	4.85		66.05		
CEF-8-11D		71.04	72 TO 82	8.80		62.24		
CEF-8-12S		72.19	15 TO 25	7.20		64.99		
CEF-8-13S		74.00	04 TO 14	6.77		67.23		
CEF-8-14I		74.08	40 TO 50	7.37		66.71		
CEF-8-15D		74.10	75 TO 85	11.73		62.37		
CEF-8-16S		74.29	03 TO 13	6.72		67.57		
CEF-8-17S		72.87	10 TO 20	5.22		67.65		
CEF-8-18S		73.17	03 TO 13	5.23		67.94		
CEF-8-19I		73.21	40 TO 50	6.02		67.19		
CEF-820D		73.24	82 TO 92	10.46		62.78		
CEF-21S		72.71	03 TO 13	4.63		68.08		
CEF-8-22D		72.72	80 TO 90	9.39		63.33		

WATER LEVEL DATA: NAS Cecil Field; Operable Unit 3								
Site 8	September 5 & 6, 1995							
Well No.		Elevation	Screened	Water Level		Water Level		Commets
		TOC	Interval	(FT, below		Elevation		
		(Ft, NGVD)	(Ft, bls)	TOC)		(Ft, NGVD)		
CEF-8-1S		62.53	04 TO 14	5.56		56.97		
CEF-8-2I		62.30	40 TO 50	0.44		61.86		ARTESIAN
CEF-8-3D		62.14	79 TO 89	0.50		61.64		ARTESIAN
CEF-8-4S		65.47	03 TO 13	5.36		60.11		
CEF-8-5S		70.85	04 TO 14	8.81		62.04		
CEF-8-6S		72.18	04 TO 14	7.22		64.96		
CEF-8-7S		70.40	04 TO 14	5.39		65.01		
CEF-8-8I		70.65	55 TO 65	6.93		63.72		
CEF-8-9S		60.13	10 TO 20	4.12		56.01		
CEF-8-10S		70.90	03 TO 13	4.62		66.28		
CEF-8-11D		71.04	72 TO 82	8.51		62.53		
CEF-8-12S		72.19	15 TO 25	6.82		65.37		
CEF-8-13S		74.00	04 TO 14	6.52		67.48		
CEF-8-14I		74.08	40 TO 50	7.08		67.00		
CEF-8-15D		74.10	75 TO 85	11.40		62.70		
CEF-8-16S		74.29	03 TO 13	6.47		67.82		
CEF-8-17S		72.87	10 TO 20	4.93		67.94		
CEF-8-18S		73.17	03 TO 13	4.95		68.22		
CEF-8-19I		73.21	40 TO 50	5.71		67.50		
CEF-820D		73.24	82 TO 92	10.11		63.13		
CEF-21S		72.71	03 TO 13	4.36		68.35		
CEF-8-22D		72.72	80 TO 90	8.92		63.80		
TOC = top of casing								
Ft = feet								
bls = below land surface								
NGVD = National Geodetic Vertical Datum								

Section 5.2

Site 7 Monitoring Well Logs

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-1S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-21-94	**COMPLETED:** 11-21-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 5-15 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.35 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 18 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-21-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-18.0 *Sand (SP)*, 100%, quartz, dark brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	
		1-1					
		2-4					
5		4-4					
		5-7					groundwater encountered
10							
15				End of boring: 18'bls.			
20							

WELL DATA

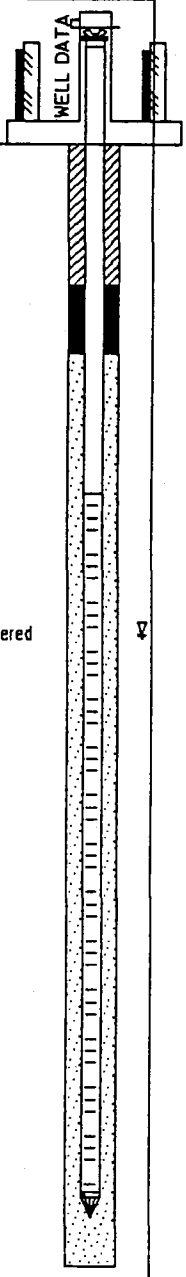


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-2I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-21-94	**COMPLETED:** 11-22-94
METHOD: Deltrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.39 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS / **DEPTH TO ∇:** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-22-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-51.0 *Sand (SP)*, 100%, quartz, dark brown to black to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	groundwater encountered	
5								
10								
15								
20								
25								
30								
35								
40								

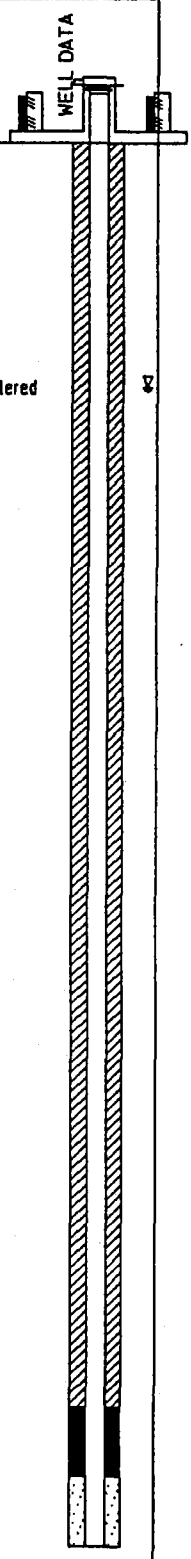


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-2I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-21-94	**COMPLETED:** 11-22-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.39 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-22-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50				End of boring: 51fbls.				
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-19-94	**COMPLETED:** 11-20-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 81-91 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.52 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS / **DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuile	**WELL DEVELOPMENT DATE:** 11-20-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-8.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft.		SP		
5							groundwater encountered	∇
				8.0-23.0 *Sandy Clay (CL)*, 100%, quartz, dark brown to reddish-brown, dense, moist, homogeneous, sandy.		CL		
10								
15								
20								
				23.0-89.0 *Sand (SP)*, 100%, colorless to medium brown to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, trace of clay.		SP		
25								
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:** CEF-7-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-19-94	**COMPLETED:** 11-20-94
METHOD: Speedstar 300 w/6"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 81-91 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.52 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS	**DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-20-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50								
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-19-94	**COMPLETED:** 11-20-94
METHOD: Speedstar 300 w/6"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 81-91 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.52 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 92 FT. BLS / **DEPTH TO ∇** 8 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-20-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 2				
				Sand continued.		SP		
85								
90				89.0-92.0 *Sandy Clay (CL) with Dolomite Cobbles*, sandy clay, 50%, quartz, medium to dark gray, soft, damp to moist, sandy, plastic, dense; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly cemented to well cemented.		CL DOLOMITE		
				End of boring: 92'bls.				
95								
100								
105								
110								
115								
120								

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-4S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-19-94	**COMPLETED:** 11-19-94
METHOD: Deltrich D-120 w/6.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 10-20 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.01 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 21 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-19-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-21.0 *Sand (SP)*, 100%, quartz, dark brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, moist to saturated, occasionally silty.		SP		
5							groundwater encountered	∇
10								
15								
20				End of boring: 21'bls.				
25								

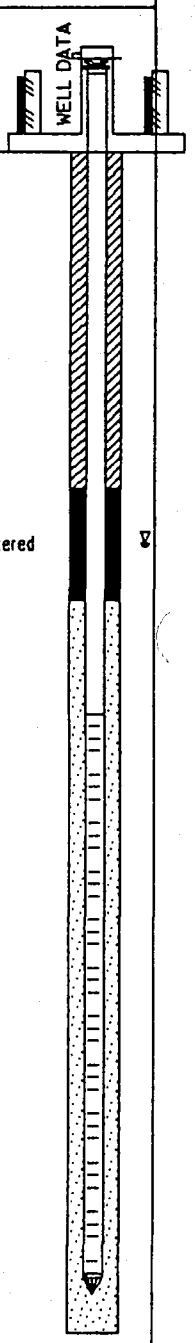


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-5D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-18-94	**COMPLETED:** 11-18-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 83-93 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.15 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 94 FT. BLS / **DEPTH TO ∇** 5.5 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-18-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-9.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular, moderately well sorted, soft.		SP		
5							groundwater encountered	∇
				9.0-18.0 *Sandy Clay (CL)*, 100%, quartz, dark brown to light brown, dense, moist, homogeneous, sandy.		CL		
10								
15								
				18.0-91.0 *Sand (SP)*, 100%, colorless to medium brown to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP		
20								
25								
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-5D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-18-94	**COMPLETED:** 11-18-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 83-93 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.15 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 94 FT. BLS	**DEPTH TO ∇** 5.5 FT. BLS
LOGGED BY: B. McGuffie	**WELL DEVELOPMENT DATE:** 11-18-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50								
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-5D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-18-94	**COMPLETED:** 11-18-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 83-93 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.15 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 94 FT. BLS / **DEPTH TO ∇** 5.5 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-18-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 2				
				Sand continued.		SP		
85								
90				91.0-94.0 *Sandy Clay (CL) with Dolomite Cobbles*; sandy clay, 50%, quartz, medium to dark gray, soft, damp to moist, sandy, plastic, dense; dolomite cobbles, 50%, medium to dark gray, microcrystalline, poorly cemented to well cemented.		CL DOLOMITE		
				End of boring: 94'bls.				
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-6S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-22-94	**COMPLETED:** 11-22-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 10-20 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.58 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 21 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-19-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-21.0 *Sand (SP)*, 100%, quartz, pale brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, moist to saturated, occasionally silty.		SP	
5							groundwater encountered
10							
15							
20				End of boring: 21fbls.			
25							

WELL DATA

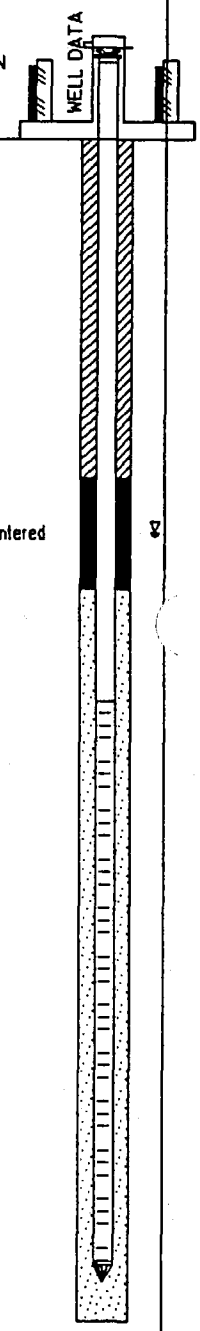


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:** CEF-7-7I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-20-94	**COMPLETED:** 11-21-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.82 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 52 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-21-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-52.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular, poorly to moderately well sorted, soft.		SP		
5							groundwater encountered	∇
10								
15								
20								
25								
30								
35								
40								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:** CEF-7-7I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-20-94	**COMPLETED:** 11-21-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.82 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 52 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-21-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50								
				End of boring: 52'bls.				
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-8S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-17-94	**COMPLETED:** 11-18-94
METHOD: Deitrich D-120 w/6.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 15-25 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 80.13 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 26 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-18-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-26.0 *Sand (SP)*, 100%, quartz, pale brown to brown to brownish-yellow, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, moist to saturated, occasionally silty.		SP	
5							groundwater encountered ∇
10							
15							
20							
25				End of boring: 26'bls.			
30							

WELL DATA

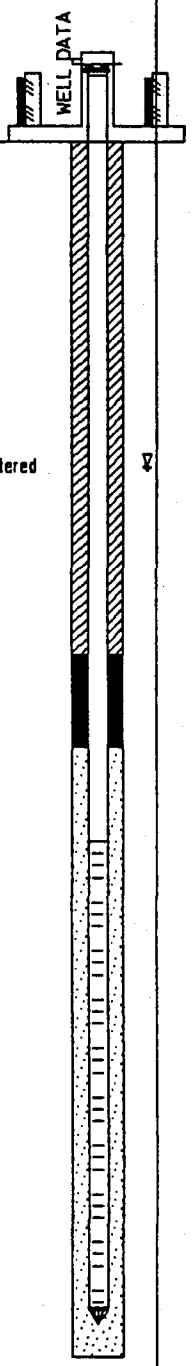


 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-9I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-15-94	**COMPLETED:** 11-16-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 80.00 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-16-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-51.0 *Sand (SP)*, 100%, quartz, dark brown to pale brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	groundwater encountered	
5								
10								
15								
20								
25								
30								
35								
40								

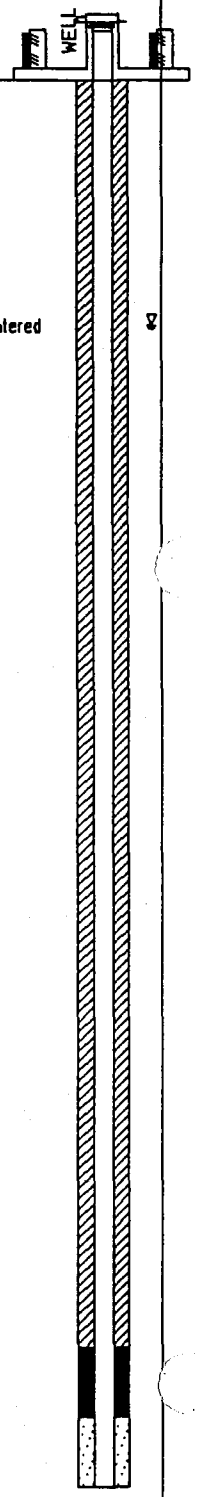


ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-9I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-15-94	**COMPLETED:** 11-16-94
METHOD: Deltrich D-120 w/6.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 80.00 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-16-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50				End of boring: 5fbls.				
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-10S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-17-94	**COMPLETED:** 11-17-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 10-20 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 79.88 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 21 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-17-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-21.0 *Sand (SP)*, 100%, quartz, pale brown to brown to brownish-yellow, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, moist to saturated, occasionally silty.		SP		
5							groundwater encountered	∇
10								
15								
20				End of boring: 21bls.				
25								

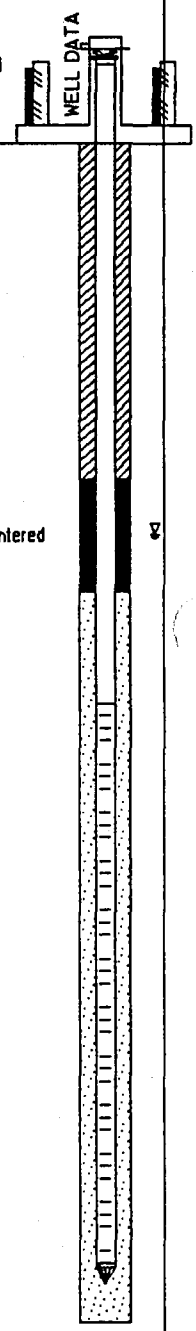


 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:** CEF-7-11D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-07-94	**COMPLETED:** 11-15-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 82-92 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 79.90 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 93 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: B. McGuire	**WELL DEVELOPMENT DATE:** 11-15-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-88.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP		
5							groundwater encountered	∇
				8.0-15.0 color change: light brown to dark brown.				
10								
15				15.0-34.0 color change: colorless to light brown.				
20								
25								
30								
35				34.0-88.0 color change: colorless to light to medium gray.				
40								

ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:** CEF-7-11D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-07-94	**COMPLETED:** 11-15-94
METHOD: Speedstar 300 w/6"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 82-92 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 79.90 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 93 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-15-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50								
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-11D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-07-94	**COMPLETED:** 11-15-94
METHOD: Speedstar 300 w/8"CASING	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 82-92 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 79.80 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 93 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: B. McGuffe	**WELL DEVELOPMENT DATE:** 11-15-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 2				
				Sand continued.		SP		
85								
				88.0-93.0 *Clayey Sand (SC)*; clayey sand, 100%, quartz, medium to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, dolomite stringers and cobbles.		CL		
90								
				End of boring: 93'bls.				
95								
100								
105								
110								
115								
120								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-12S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-15-94	**COMPLETED:** 11-15-94
METHOD: Deltrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 10-20 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.34 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 21 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-15-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-21.0 *Sand (SP)*, 100%, quartz, pale brown to gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, moist to saturated, occasionally silty.		SP	
5							groundwater encountered
10							
15							
20				End of boring: 21fbls.			
25							

WELL DATA

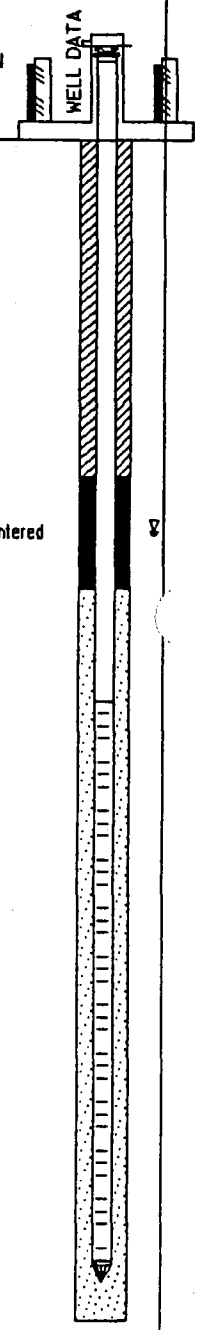


 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-7-13S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 11-20-94	**COMPLETED:** 11-20-94
METHOD: Deitrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 5-15 FT. / **SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.91 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 16 FT. BLS / **DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-20-94	**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-16.0 *Sand (SP)*, 100%, quartz, pale brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	Limestone gravel and sand mixure to 2'bls.
		woh12"					
		1-2					
5		1-2					
		1-2					groundwater encountered
10							
15				End of boring: 16'bls.			
20							

WELL DATA

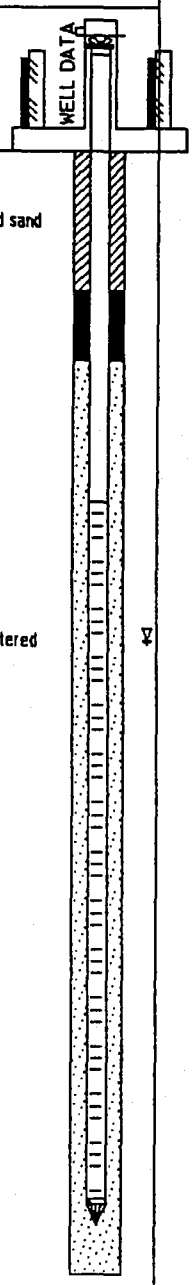


 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-14I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-18-94	**COMPLETED:** 11-18-94
METHOD: Deltrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.99 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: K. Murray	**WELL DEVELOPMENT DATE:** 11-18-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-51.0 *Sand (SP)*, 100%, quartz, light brown to brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	groundwater encountered	

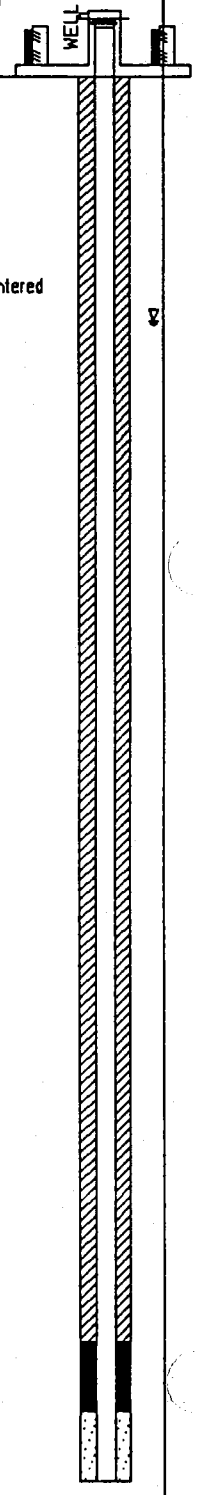


 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,8		**LOG of WELL:** CEF-7-14I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-18-94	**COMPLETED:** 11-18-94
METHOD: Deitrich D-120 w/6.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 40-50 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.99 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 51 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: K. Murray	**WELL DEVELOPMENT DATE:** 11-18-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				Continued from PAGE 1				
				Sand continued.		SP		
45								
50				End of boring: 51'bls.				
55								
60								
65								
70								
75								
80								

 ABB ENVIRONMENTAL SERVICES, INC.

PROJECT: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-7-15S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 11-20-94	**COMPLETED:** 11-20-94
METHOD: Deltrich D-120 w/8.25"HSA	**WELL CASE DIAM.:** 2"	**SCREEN INT.:** 5-15 FT.	**SCREEN SLOT SIZE:** 0.010"
TOC ELEVATION: 78.90 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 16 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 11-20-94		**SITE:** 7

DEPTH FT.	SAMPLE INTERVAL	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
				0-16.0 *Sand (SP)*, 100%, quartz, brown to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated, occasionally silty.		SP	
		3-3					
		3-4					
5		5-10					
		18-15					groundwater encountered
10							
15				End of boring: 16'bls.			
20							

WELL DATA

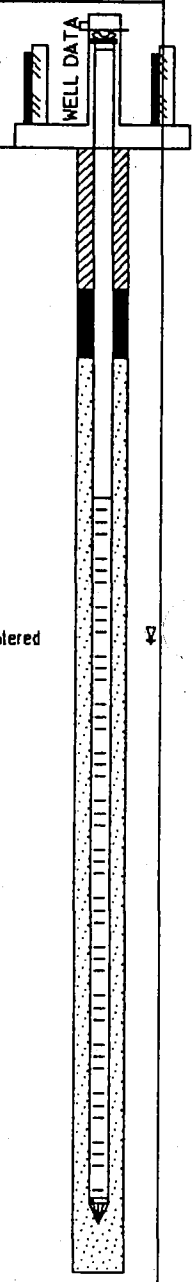


 ABB ENVIRONMENTAL SERVICES, INC.

Section 5.3

Site 8 Monitoring Well Logs

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-8-1S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-03-95	**COMPLTD:** 02-03-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 4-14	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.53 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 15 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-03-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-15.0 *Sand (SP)*, 100%, quartz, colorless to dark brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated.		SP	
								groundwater encountered ∇
5								
10								
15								
20								

WELL DATA

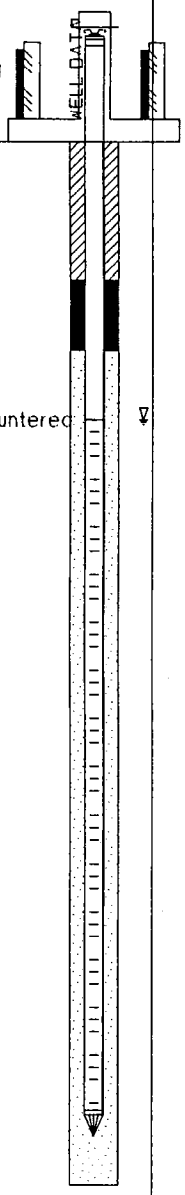


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-2I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-22-95	**COMPLTD:** 02-01-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.30 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-01-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-51.0 *Sand (SP)*, 100%, quartz, colorless to light gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated.		SP		
								groundwater encountered	∇
5									
10									
15									
20									
25									
30									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-2I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-22-95	**COMPLTD:** 02-01-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.30 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-01-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
35									
40									
45									
50					End of boring: 51'bls.				
55									
60									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-02-95	**COMPLTD:** 02-02-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 79-89	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.14 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-02-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-76.0 *Sand (SP)*, 100%, quartz, colorless to light brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, loose, occasionally silty.		SP	groundwater encountered ▽	
5									
10									
15									
20									
25									
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-02-95	**COMPLTD:** 02-02-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 79-89	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.14 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-02-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
55									
60									
65									
70									
75					76.0-90.0 *Sandy Clay (CL) with Dolomite cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, yellowish-brown to light gray, poorly cemented, dolomite cobbles with shell replacement features visible.		CL DOLOMITE		
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-3D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-02-95	**COMPLTD:** 02-02-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 79-89	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 62.14 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 90 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-02-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sandy Clay with Dolomite cobbles continued.		CL DOLOMITE		
85									
90					End of boring: 90'bls.				
95									
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-4S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-21-95	**COMPLTD:** 01-21-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 3-13	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 65.47 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 14 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-21-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-14.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, occasionally silty.		SP	groundwater encountered ▽
5								
10								
					End of boring: 14'bls.			
15								
20								

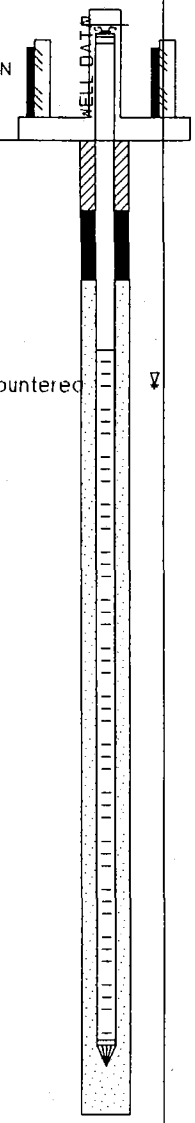


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-5S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-05-95	**COMPLTD:** 01-05-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 4-14	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 70.85 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 15 FEET.	**DPTH TO ▽** 5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-05-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-15.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, occasionally silty.		SP	
					4.0-15.0 color change; colorless to light brownish-black.			
5								groundwater encountered
10								
15					End of boring: 15'bls.			
20								

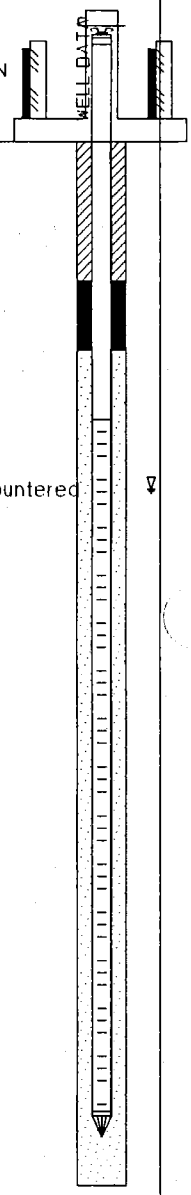


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-6S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-05-95	**COMPLTD:** 01-05-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 4-14	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.18 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 15 FEET.	**DPTH TO ▽** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-05-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-3.5 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, soft, clean.		SP	
					3.5-15.0 *Sandy Clay (CL)*, 100%, quartz, light to medium to dark brown, dense, saturated, compacted, homogenous, sandy.		CL	groundwater encountered
5								
10								
15					End of boring: 15'bls.			
20								

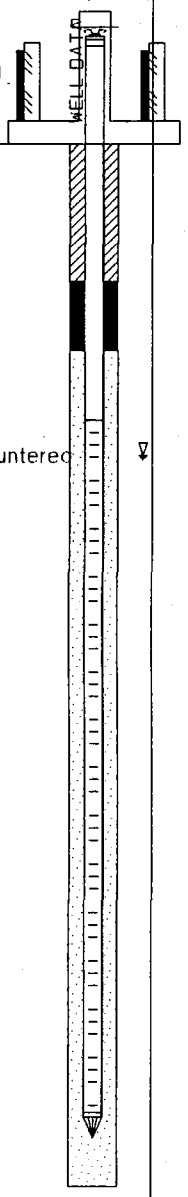


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-7S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-03-95	**COMPLTD:** 02-03-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 4-14	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 70.40 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 15 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-03-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-15.0 *Sand (SP)*, 100%, quartz, pale brown to brown to gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, saturated, occasionally silty.		SP	
								groundwater encountered ∇
5								
10								
15					End of boring: 15'bls.			
20								

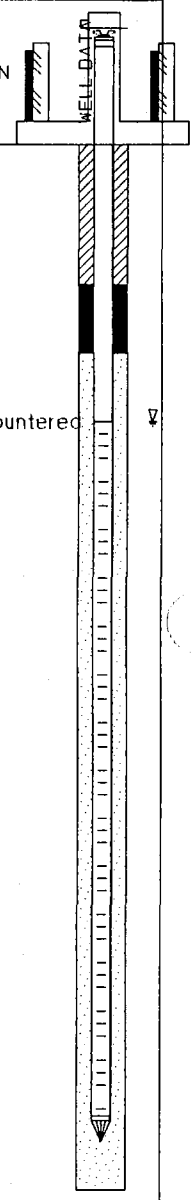


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-8I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-21-95	**COMPLTD:** 01-22-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 55-65	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 70.65 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 66 FEET.	**DPTH TO ∇** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-22-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-66.0 *Sand (SP)*, 100%, quartz, colorless to light brown to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, occasionally silty.		SP	groundwater encountered ∇	
5									
10									
15									
20									
25									
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-8I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-21-95	**COMPLTD:** 01-22-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 55-65	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 70.65 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 66 FEET.	**DPTH TO ▽** 3.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-22-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
55									
60									
65					End of boring: 66'bls.				
70									
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:** CEF-8-9S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22

CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-28-95	**COMPLTD:** 03-01-95
METHOD: Mobil Drill B-59 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 10-20	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 60.13 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 21 FEET.	**DPTH TO ∇** 3 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 03-01-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-21.0 *Sand (SP)*, 100%, quartz, light to dark gray, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, saturated, occasionally silty.		SP		
								groundwater encountered	∇
5									
10									
15									
20					End of boring: 21'bls.				
25									
30									

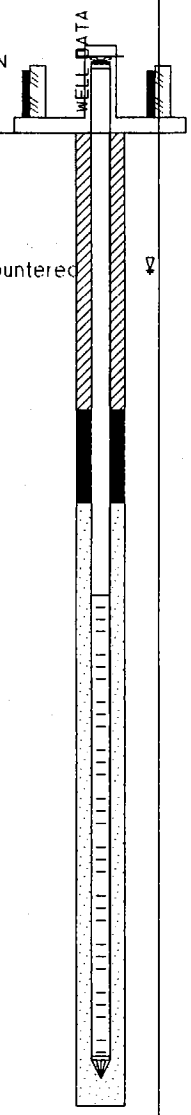


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-10S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-07-95	**COMPLTD:** 01-07-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 3-13	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 70.90 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 14 FEET.	**DPTH TO ∇** 3 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-07-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-3.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP	
					3.0-14.0 *Sandy Clay (CL)*, 100%, quartz, light to medium gray to yellowish-brown, dense, saturated, compacted, homogenous, sandy, non plastic.		CL	groundwater encountered
5								
10								
					End of boring: 14'bls.			
15								
20								

WELL DATA

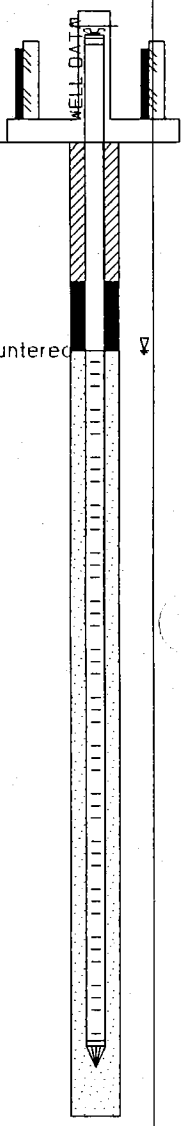


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-11D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-09-95	**COMPLTD:** 01-09-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 72-82	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 71.04 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 83 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-09-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-3.5 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted.		SP		
5					3.5-16.0 *Sandy Clay (CL)*, 100%, quartz, light to medium gray to yellowish-brown, homogeneous, saturated, non plastic, dense, sandy.		CL	groundwater encountered	∇
10									
15					16.0-78.0 *Sand (SP)*, 100%, quartz, gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, saturated, loose, occasionally silty.		SP		
20									
25									
30									
35									
40									
45									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-11D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-09-95	**COMPLTD:** 01-09-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 72-82	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 71.04 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 83 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-09-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
50									
55									
60									
65									
70									
75									
80					78.0-83.0 *Sandy Clay (CL) with Dolomite cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist, soft, sandy; dolomite cobbles, 40%, moderate yellowish-brown to light gray, poorly cemented, microcrystalline, shell replacement features visible, occasional dolomite pebbles.		CL DOLOMITE		
85					End of boring: 83'bls.				
90									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-12S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-03-95	**COMPLTD:** 02-03-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 15-25	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.19 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 26 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-03-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-26.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted.		SP	
								groundwater encountered ▽
5								
10								
15								
20								
25					End of boring: 26'bls.			
30								

WELL DATA

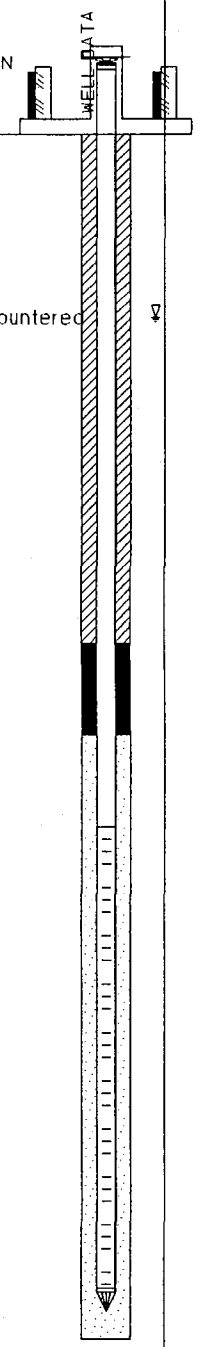


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-13S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-07-95	**COMPLTD:** 01-07-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 4-14	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.00 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 14 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-07-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-15.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, soft, moist to saturated, trace of clay.		SP	
								groundwater encountered ∇
5								
10								
15					End of boring: 15'bls.			
20								

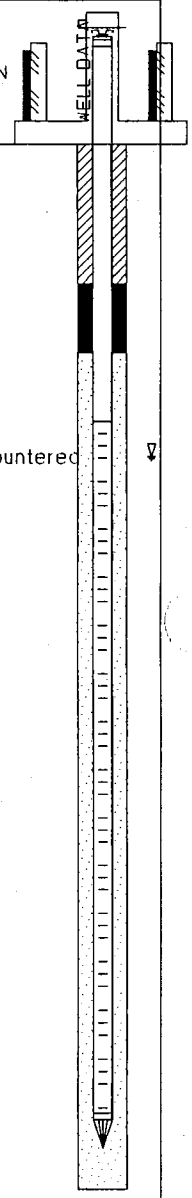


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-14I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-05-95	**COMPLTD:** 02-05-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.08 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-05-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-51.0 *Sand (SP)*, 100%, quartz, light to dark brown to dark gray to reddish-brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, saturated, occasionally silty.		SP		
								groundwater encountered	∇
5									
10									
15									
20									
25									
30									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-14I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-05-95	**COMPLTD:** 02-05-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.08 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-05-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
35									
40									
45									
50					End of boring: 51'bls.				
55									
60									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-15D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-04-95	**COMPLTD:** 02-04-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 75-85	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.10 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 86 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-04-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-78.0 *Sand (SP)*, 100%, quartz, light to dark brown to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, loose, occasionally silty.		SP		
5								groundwater encountered	∇
10									
15									
20									
25									
30									
35									
40									
45									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-15D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 02-04-95	**COMPLTD:** 02-04-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 75-85	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.10 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 86 FEET.	**DPTH TO ▽** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 02-04-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
50									
55									
60									
65									
70									
75									
					78.0-85.0 *Clayey Sand (SC)*; 100%, quartz, medium to dark gray, fine-to medium-grained, sub-angular, poorly to moderately well sorted, clayey, trace dolomite cobbles.		SC		
80									
85					End of boring: 85'bls.				
90									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-16S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-04-95	**COMPLTD:** 01-04-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 3-13	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 74.29 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 15 FEET.	**DPTH TO ▽** 3 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-04-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-4.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular, moderately well sorted, soft, clean.		SP	
								groundwater encountered
					4.0-14.0 *Sandy Clay (CL)*, 100%, quartz, light to medium brown, dense, moist, homogenous, sandy.		CL	
5								
10								
					End of boring: 14'bls.			
15								
20								

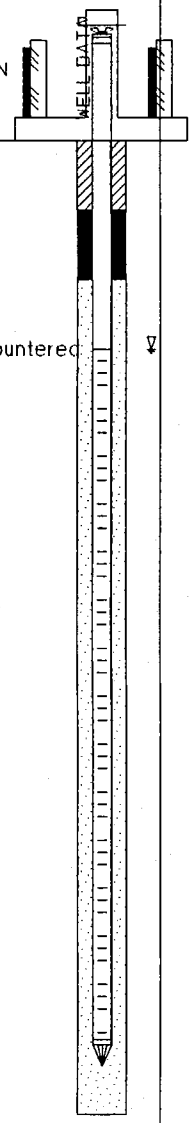


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-17S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-05-95	**COMPLTD:** 01-05-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 10-20	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.87 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 21 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-05-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-2.0 *Sand (SP)*, 100%, quartz, colorless, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, soft.		SP	
					2.0-21.0 *Sandy Clay (CL)*, 100%, quartz, light to medium brown, dense, moist, slightly plastic, homogenous, sandy.		CL	
								groundwater encountered ∇
5								
10								
15								
20					End of boring: 21'bls.			
25								
30								

WELL DATA

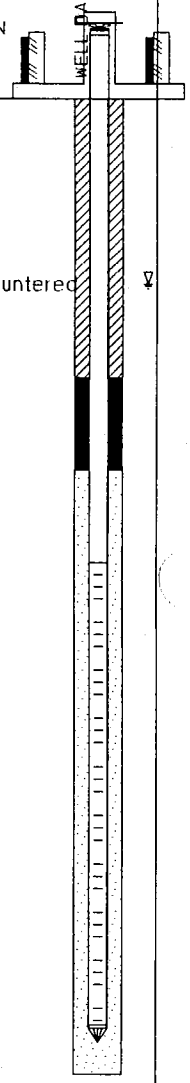


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-18S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-04-95	**COMPLTD:** 01-04-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 3-13	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.17 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 14 FEET.	**DPTH TO ▽** 3 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-04-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-14.0 *Sand (SP)*, 100%, quartz, pale to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, saturated.		SP	
								groundwater encountered
5								
10								
					End of boring: 14'bls.			
15								
20								

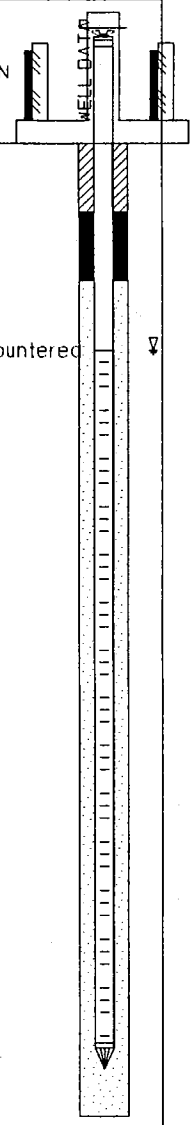


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-19I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-19-94	**COMPLTD:** 12-21-94
METHOD: Speedstar 300 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.21 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ▽** 7.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 12-21-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-51.0 *Sand (SP)*, 100%, quartz, pale brown to brown to gray to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly sorted, loose, saturated, occasionally silty.		SP		
5									
								groundwater encountered	▽
10									
15									
20									
25									
30									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-19I	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-19-94	**COMPLTD:** 12-21-94
METHOD: Speedstar 300 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 40-50	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.21 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 51 FEET.	**DPTH TO ▽** 7.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 12-21-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
35									
40									
45									
50					End of boring: 51'bls.				
55									
60									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-20D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-07-95	**COMPLTD:** 01-08-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 82-92	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.24 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-08-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-78.0 *Sand (SP)*, 100%, quartz, colorless to light to medium brown to medium gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, saturated, loose, occasionally silty.		SP	groundwater encountered	∇
5									
10									
15									
20									
25									
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-20D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-07-95	**COMPLTD:** 01-08-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 82-92	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.24 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-08-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
55									
60									
65									
70									
75									
80					78.0-93.0 *Sandy Clay (CL) with Dolomite cobbles*; sandy clay, 60%, quartz, dark gray, dense, moist to saturated, sofft, sandy; dolomite cobbles, 40%, moderate light brown to light gray, poorly cemented, microcrystalline, shell replacement visible, occasional dolomite pebbles.		CL DOLOMITE		

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-20D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-07-95	**COMPLTD:** 01-08-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 82-92	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 73.24 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 93 FEET.	**DPTH TO ▽** 4 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-08-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Sandy Clay with Dolomite cobbles continued.		CL DOLOMITE		
85									
90									
					End of boring: 93'bls.				
95									
100									
105									
110									
115									
120									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-21S	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 01-04-95	**COMPLTD:** 01-04-95
METHOD: Deitrich D-120 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 3-13	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.71 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 14 FEET.	**DPTH TO ∇** 3 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 01-04-95		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN
					0-4.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, clean.		SP	
								groundwater encountered ∇
					4.0-14.0 *Sandy Clay (CL)*, 100%, quartz, medium to dark brown, fine-to medium-grained, dense, moist, slightly plastic, homogeneous, sandy.		CL	
5								
10								
					End of boring: 14'bls.			
15								
20								

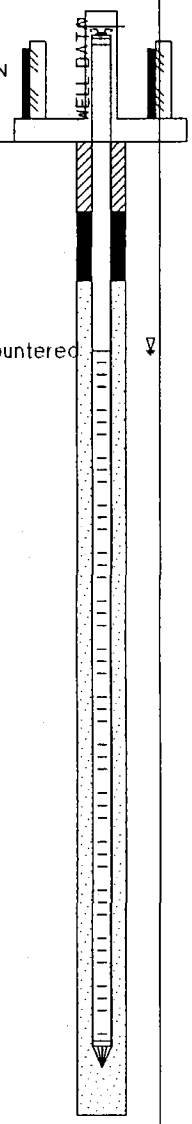


 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-22D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-13-94	**COMPLTD:** 12-15-94
METHOD: Speedstar 300 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 80-90	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.72 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 12-15-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					0-78.0 *Sand (SP)*, 100%, quartz, colorless to light brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, loose, trace silt.		SP		
5					4.0-78.0 color change; light to dark brown to medium gray to dark gray.			groundwater encountered	▽
10									
15									
20									
25									
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-22D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-13-94	**COMPLTD:** 12-15-94
METHOD: Speedstar 300 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 80-90	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.72 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ▽** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 12-15-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
55									
60									
65									
70									
75									
					78.0-91.0 *Clayey Sand (SC)*, 100%, quartz, medium to dark gray, fine-to medium grained, sub-angular, poorly to moderately well sorted, some dolomite pebbles.		SC		
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:** CEF-8-22D	**BORING NO.**
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 12-13-94	**COMPLTD:** 12-15-94
METHOD: Speedstar 300 w/6.25"HSA	**CASE SIZE:** 2"	**SCREEN INT.:** 80-90	**PROTECTION LEVEL:** 0.010"
TOC ELEV.: 72.72 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 91 FEET.	**DPTH TO ∇** 4.5 FEET.
LOGGED BY: B. McGuffee	**WELL DEVELOPMENT DATE:** 12-15-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 2				
					Clayey Sand continued.		SC		
85									
90					End of boring: 91'bls.				
95									
100									
105									
110									
115									
120									

CHAPTER 6.0

HYDRAULIC CONDUCTIVITY TEST RESULTS

Section 6.1

Site 7 Hydraulic Conductivity Test Results

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

A Q T E S O L V   R E S U L T S
Version 1.10

05/17/95 13:32:21

= =

TEST DESCRIPTION

Data set........... cf71s3.set
Data set title..... CEF-7-1S RUN 3

Knowns and Constants:
No. of data points.................. 165
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 8.18
Log(Re/Rw).......................... 2.223
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

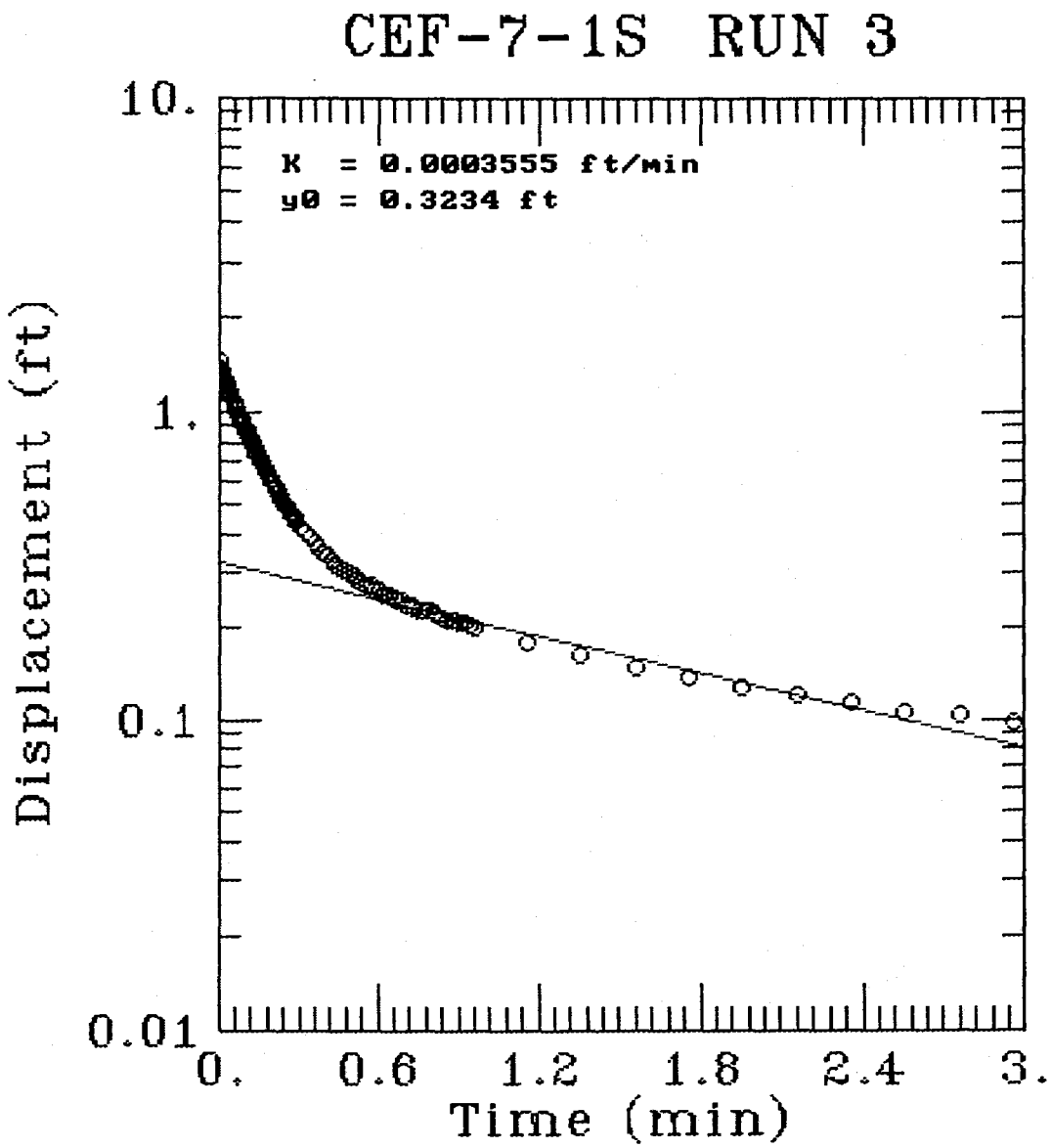
	Estimate
K =	3.5548E-004
y0 =	2.9803E-267

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

TYPE CURVE DATA

K = 3.55481E-004
y0 = 3.23407E-001

Time	Drawdown	Time	Drawdown
0.000E+000	3.234E-001	3.000E+000	8.122E-002


CEF-7-1S RUN 3
K = 0.0003555 ft/min
y0 = 0.3234 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/16 14:29

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-1S RUN 3

Step 2 05/16 08:43:11

Elapsed Time	INPUT 1
0.0000	0.006
0.0033	0.003
0.0066	0.006
0.0100	0.006
0.0133	0.672
0.0166	1.240
0.0200	1.117
0.0233	1.086
0.0266	0.439
0.0300	1.121
0.0333	1.343
0.0366	1.645
0.0400	1.391
0.0433	1.447
0.0466	1.372
0.0500	1.369
0.0533	1.337
0.0566	1.325
0.0600	1.299
0.0633	1.281
0.0666	1.256
0.0700	1.230
0.0733	1.221
0.0766	1.196
0.0800	1.174
0.0833	1.158
0.0866	1.136
0.0900	1.124
0.0933	1.095
0.0966	1.089
0.1000	1.070
0.1033	1.058
0.1066	1.039
0.1100	1.020
0.1133	1.008
0.1166	0.970
0.1200	0.976
0.1233	0.954
0.1266	0.942
0.1300	0.935
0.1333	0.920
0.1366	0.907
0.1400	0.891
0.1433	0.879
0.1466	0.866

CEF-7-1S RUN 3

Step 2 05/16 08:43:11

Elapsed Time	INPUT 1
0.1500	0.854
0.1533	0.841
0.1566	0.829
0.1600	0.816
0.1633	0.807
0.1666	0.794
0.1700	0.785
0.1733	0.772
0.1766	0.763
0.1800	0.750
0.1833	0.741
0.1866	0.731
0.1900	0.722
0.1933	0.712
0.1966	0.700
0.2000	0.694
0.2033	0.684
0.2066	0.675
0.2100	0.665
0.2133	0.656
0.2166	0.646
0.2200	0.640
0.2233	0.631
0.2266	0.624
0.2300	0.615
0.2333	0.609
0.2366	0.602
0.2400	0.593
0.2433	0.587
0.2466	0.581
0.2500	0.574
0.2533	0.568
0.2566	0.562
0.2600	0.555
0.2633	0.549
0.2666	0.543
0.2700	0.537
0.2733	0.530
0.2766	0.524
0.2800	0.518
0.2833	0.515
0.2866	0.508
0.2900	0.502
0.2933	0.499
0.2966	0.493
0.3000	0.489
0.3033	0.483
0.3066	0.480
0.3100	0.474
0.3133	0.471
0.3166	0.467
0.3200	0.461
0.3233	0.458
0.3266	0.455
0.3300	0.449
0.3333	0.445
0.3500	0.427
0.3666	0.408
0.3833	0.392
0.4000	0.380
0.4166	0.367
0.4333	0.354
0.4500	0.342

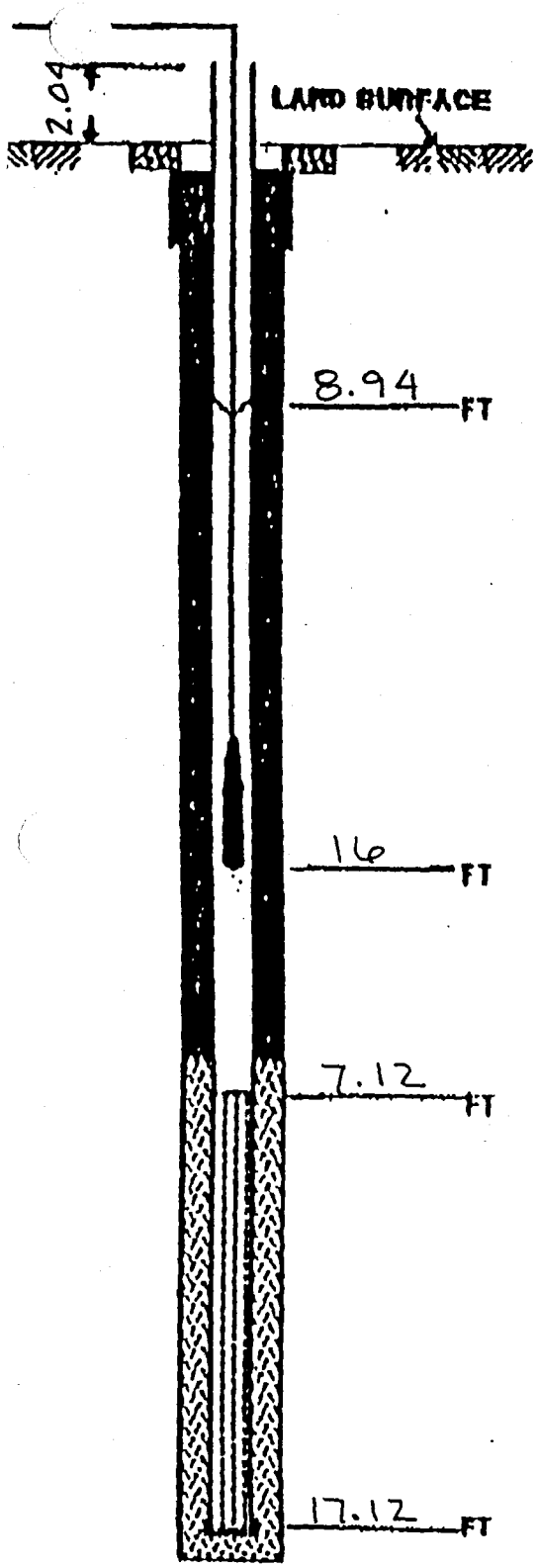
CEF-7-1S RUN 3
(CON'T) PAGE 3
Step 2 05/16 08:43:11

Elapsed Time	INPUT 1
0.4666	0.332
0.4833	0.323
0.5000	0.317
0.5166	0.307
0.5333	0.301
0.5500	0.295
0.5666	0.288
0.5833	0.282
0.6000	0.276
0.6166	0.273
0.6333	0.266
0.6500	0.263
0.6666	0.257
0.6833	0.254
0.7000	0.251
0.7166	0.248
0.7333	0.244
0.7500	0.238
0.7666	0.238
0.7833	0.232
0.8000	0.229
0.8166	0.226
0.8333	0.226
0.8500	0.222
0.8666	0.219
0.8833	0.216
0.9000	0.213
0.9166	0.213
0.9333	0.210
0.9500	0.207
0.9666	0.207
0.9833	0.204
1.0000	0.200
1.2000	0.179
1.4000	0.163
1.6000	0.147
1.8000	0.138
2.0000	0.128
2.2000	0.119
2.4000	0.113
2.6000	0.106
2.8000	0.103
3.0000	0.097
3.2000	0.091
3.4000	0.087
3.6000	0.084
3.8000	0.081
4.0000	0.078
4.2000	0.075
4.4000	0.072
4.6000	0.072
4.8000	0.069
5.0000	0.065
5.2000	0.065
5.4000	0.062
5.6000	0.062
5.8000	0.059
6.0000	0.059
6.2000	0.059
6.4000	0.059
6.6000	0.056
6.8000	0.056
7.0000	0.056

CEF-7-1S RUN 3
(CON'T) PAGE 3
Step 2 05/16 08:43:11

Elapsed Time	INPUT 1
7.2000	0.056
7.4000	0.056
7.6000	0.053
7.8000	0.053
8.0000	0.053
8.2000	0.053
8.4000	0.053
8.6000	0.056
8.8000	0.053
9.0000	0.053
9.2000	0.056
9.4000	0.056
9.6000	0.056
9.8000	0.056
10.0000	0.056

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-15 PUMPING WELL ____

DATE 5-16-95 TIME 0806

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 (SEL Ø), R2 10 (Step 1), R3 10 (Step 2)

TIME OF INSTALLATION 0806

STATIC DEPTH TO WATER 8.94 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION
- DEPTH 12 FT 3.60 PSI
- DEPTH 13 FT 4.63 PSI
- DEPTH 14 FT 5.65 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.94 B.T.O.C.

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

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A Q T E S O L V   R E S U L T S
Version 1.10

05/17/95 13:55:30

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TEST DESCRIPTION

Data set........... cf72i3.set
Data set title..... CEF-7-2I RUN 3

Knowns and Constants:
No. of data points.................. 148
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 42.99
Log(Re/Rw).......................... 2.92
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

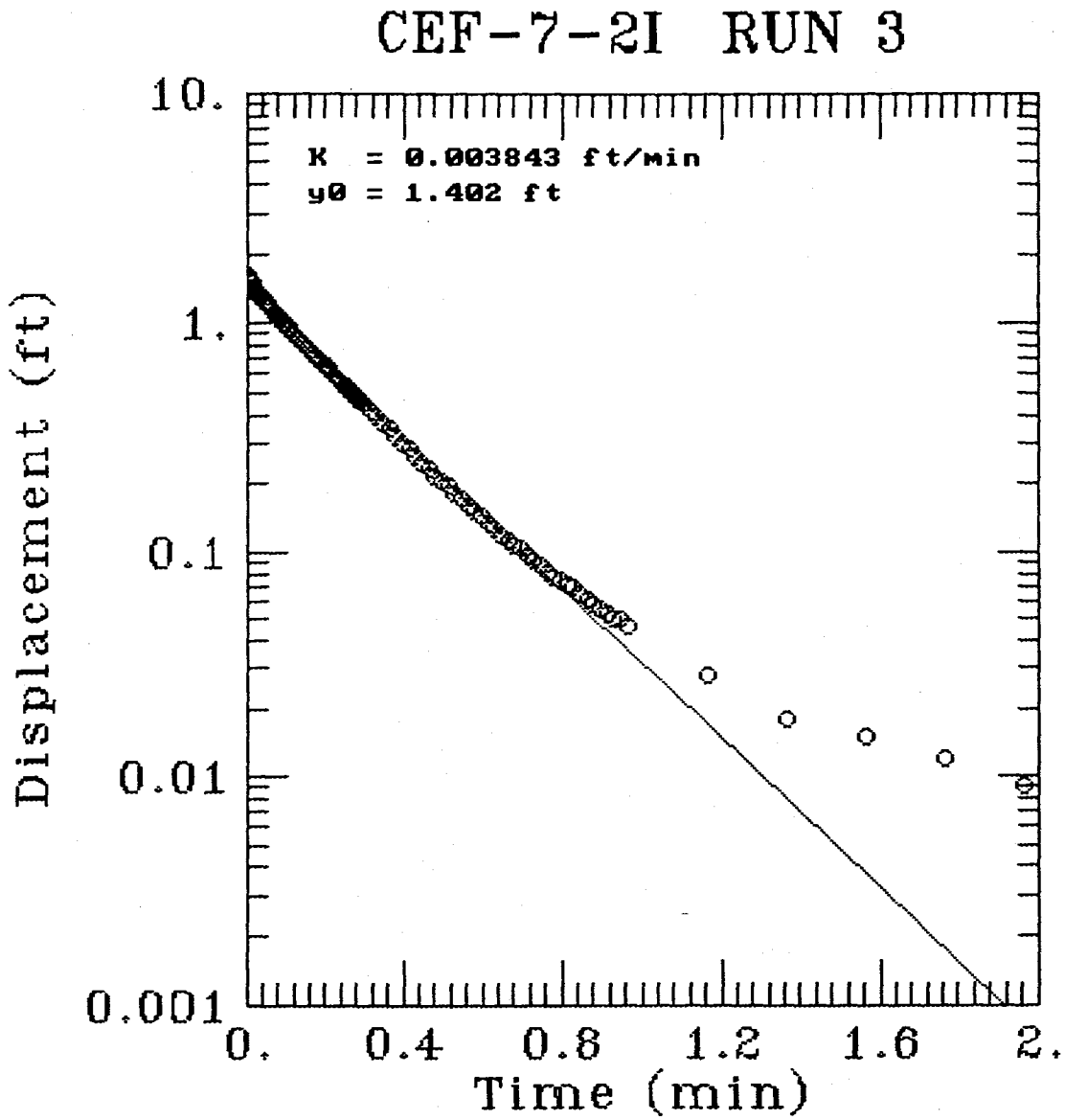
	Estimate
K =	1.5596E-003
y0 =	2.9803E-267

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

TYPE CURVE DATA

K = 3.81525E-003
y0 = 1.36777E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.368E+000	2.000E+000	7.327E-004


CEF-7-2I RUN 3
K = 0.003843 ft/min
y0 = 1.402 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/16 14:37

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-21 RUN 3

Step 2 05/16 09:45:21

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.065
0.0133	0.678
0.0166	0.979
0.0200	0.762
0.0233	0.587
0.0266	0.687
0.0300	1.039
0.0333	1.305
0.0366	1.619
0.0400	1.569
0.0433	1.538
0.0466	1.531
0.0500	1.488
0.0533	1.437
0.0566	1.403
0.0600	1.371
0.0633	1.353
0.0666	1.337
0.0700	1.318
0.0733	1.302
0.0766	1.271
0.0800	1.249
0.0833	1.240
0.0866	1.218
0.0900	1.196
0.0933	1.174
0.0966	1.161
0.1000	1.142
0.1033	1.127
0.1066	1.111
0.1100	1.098
0.1133	1.076
0.1166	1.061
0.1200	1.048
0.1233	1.032
0.1266	1.017
0.1300	1.001
0.1333	0.998
0.1366	0.960
0.1400	0.960
0.1433	0.948
0.1466	0.932

CEF-7-21 RUN 3

Step 2 05/16 09:45:21

Elapsed Time	INPUT 1
0.1500	0.919
0.1533	0.907
0.1566	0.894
0.1600	0.882
0.1633	0.869
0.1666	0.860
0.1700	0.847
0.1733	0.835
0.1766	0.822
0.1800	0.813
0.1833	0.800
0.1866	0.791
0.1900	0.778
0.1933	0.769
0.1966	0.759
0.2000	0.750
0.2033	0.737
0.2066	0.728
0.2100	0.719
0.2133	0.709
0.2166	0.700
0.2200	0.690
0.2233	0.684
0.2266	0.675
0.2300	0.665
0.2333	0.656
0.2366	0.649
0.2400	0.640
0.2433	0.631
0.2466	0.624
0.2500	0.615
0.2533	0.609
0.2566	0.599
0.2600	0.593
0.2633	0.584
0.2666	0.577
0.2700	0.568
0.2733	0.562
0.2766	0.555
0.2800	0.549
0.2833	0.540
0.2866	0.533
0.2900	0.527
0.2933	0.521
0.2966	0.514
0.3000	0.508
0.3033	0.502
0.3066	0.496
0.3100	0.489
0.3133	0.483
0.3166	0.477
0.3200	0.470
0.3233	0.464
0.3266	0.461
0.3300	0.455
0.3333	0.449
0.3500	0.420
0.3666	0.392
0.3833	0.367
0.4000	0.345
0.4166	0.323
0.4333	0.301
0.4500	0.282

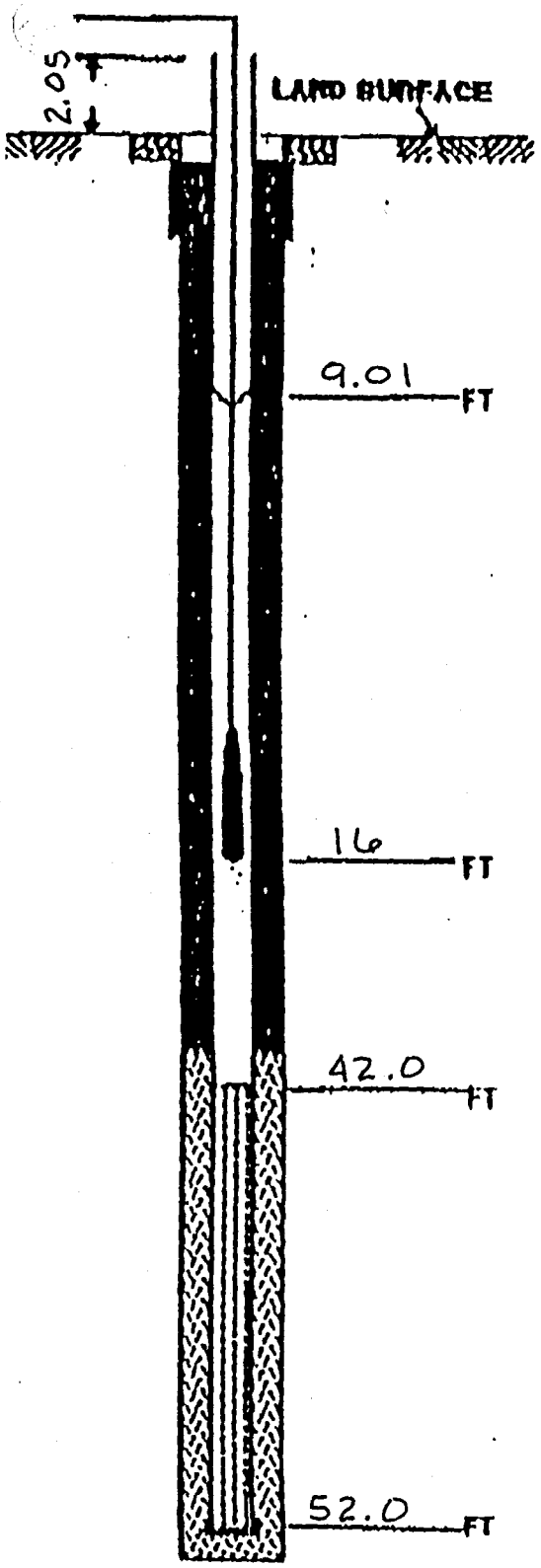
CEF-7-21 RUN 3
(CON'T) PAGE 2
Step 2 05/16 09:45:21

Elapsed Time	INPUT 1
0.4666	0.263
0.4833	0.248
0.5000	0.232
0.5166	0.219
0.5333	0.207
0.5500	0.194
0.5666	0.182
0.5833	0.172
0.6000	0.160
0.6166	0.153
0.6333	0.144
0.6500	0.135
0.6666	0.128
0.6833	0.119
0.7000	0.113
0.7166	0.106
0.7333	0.103
0.7500	0.097
0.7666	0.091
0.7833	0.087
0.8000	0.081
0.8166	0.078
0.8333	0.075
0.8500	0.072
0.8666	0.069
0.8833	0.065
0.9000	0.062
0.9166	0.059
0.9333	0.056
0.9500	0.053
0.9666	0.050
0.9833	0.050
1.0000	0.047
1.2000	0.028
1.4000	0.018
1.6000	0.015
1.8000	0.012
2.0000	0.009
2.2000	0.009
2.4000	0.009
2.6000	0.006
2.8000	0.006
3.0000	0.006
3.2000	0.006
3.4000	0.006
3.6000	0.006
3.8000	0.006
4.0000	0.006
4.2000	0.006
4.4000	0.006
4.6000	0.006
4.8000	0.009
5.0000	0.009
5.2000	0.009
5.4000	0.006
5.6000	0.006
5.8000	0.009
6.0000	0.009
6.2000	0.015
6.4000	0.015
6.6000	0.018
6.8000	0.021
7.0000	0.025

CEF-7-21 RUN 3
(CON'T) PAGE 2
Step 2 05/16 09:45:21

Elapsed Time	INPUT 1
7.2000	0.028
7.4000	0.031
7.6000	0.031
7.8000	0.031
8.0000	0.028
8.2000	0.028
8.4000	0.025
8.6000	0.025
8.8000	0.021
9.0000	0.021
9.2000	0.021
9.4000	0.021
9.6000	0.021
9.8000	0.018
10.0000	0.018

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-2I PUMPING WELL ____

DATE 5-16-95 TIME 09:21

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL 1 Step 1 Step 2

TIME OF INSTALLATION 0921

STATIC DEPTH TO WATER 9.01 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION
DEPTH 12 FT 3.32 PSI
DEPTH 13 FT 4.32 PSI
DEPTH 14 FT 5.35 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.01

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

05/18/95 08:31:30

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TEST DESCRIPTION

Data set........... cf73d2.set
Data set title..... CEF-7-3D RUN 2

Knowns and Constants:
No. of data points.................. 130
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 94
Well screen length.................. 10
Static height of water in well...... 83.89
Log(Re/Rw).......................... 3.338
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

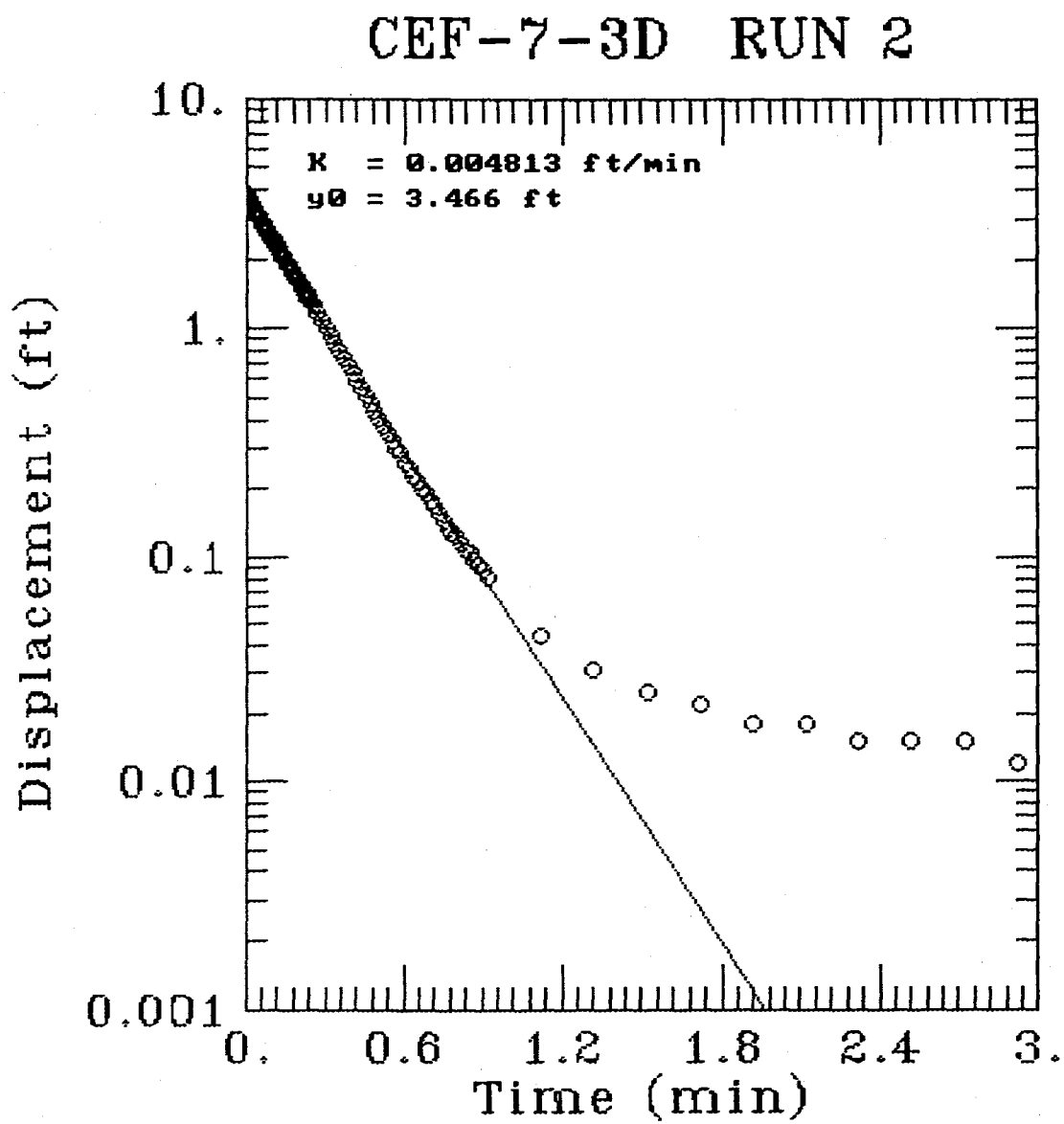
	Estimate
K =	2.6416E-003
y0 =	0.0000E+000

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

TYPE CURVE DATA

K = 4.81271E-003
y0 = 3.46555E+000

Time	Drawdown	Time	Drawdown
0.000E+000	3.466E+000	3.000E+000	1.348E-005


CEF-7-3D RUN 2
K = 0.004813 ft/min
y0 = 3.466 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/16 14:48

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-3D RUN 2

Step 3 05/16 10:40:14

Elapsed Time	INPUT 1
0.0000	0.012
0.0033	0.012
0.0066	0.018
0.0100	2.013
0.0133	2.120
0.0166	2.683
0.0200	1.984
0.0233	2.617
0.0266	2.438
0.0300	2.394
0.0333	2.558
0.0366	2.517
0.0400	2.173
0.0433	1.959
0.0466	1.770
0.0500	2.132
0.0533	2.649
0.0566	2.658
0.0600	3.515
0.0633	3.565
0.0666	3.197
0.0700	3.474
0.0733	3.584
0.0766	3.785
0.0800	3.823
0.0833	3.713
0.0866	3.681
0.0900	3.615
0.0933	3.559
0.0966	3.486
0.1000	3.464
0.1033	3.370
0.1066	3.335
0.1100	3.307
0.1133	3.178
0.1166	3.263
0.1200	3.143
0.1233	3.124
0.1266	3.039
0.1300	3.027
0.1333	2.976
0.1366	2.932
0.1400	2.876
0.1433	2.838
0.1466	2.828

CEF-7-3D RUN 2

Step 3 05/16 10:40:14

Elapsed Time	INPUT 1
0.1500	2.813
0.1533	2.690
0.1566	2.680
0.1600	2.652
0.1633	2.595
0.1666	2.561
0.1700	2.545
0.1733	2.482
0.1766	2.466
0.1800	2.428
0.1833	2.400
0.1866	2.350
0.1900	2.315
0.1933	2.306
0.1966	2.255
0.2000	2.227
0.2033	2.180
0.2066	2.164
0.2100	2.167
0.2133	2.073
0.2166	2.076
0.2200	2.051
0.2233	2.013
0.2266	1.991
0.2300	1.959
0.2333	1.934
0.2366	1.909
0.2400	1.881
0.2433	1.852
0.2466	1.827
0.2500	1.802
0.2533	1.777
0.2566	1.751
0.2600	1.726
0.2633	1.701
0.2666	1.679
0.2700	1.657
0.2733	1.632
0.2766	1.610
0.2800	1.588
0.2833	1.566
0.2866	1.544
0.2900	1.521
0.2933	1.499
0.2966	1.481
0.3000	1.458
0.3033	1.436
0.3066	1.417
0.3100	1.399
0.3133	1.377
0.3166	1.358
0.3200	1.339
0.3233	1.320
0.3266	1.304
0.3300	1.282
0.3333	1.266
0.3500	1.169
0.3666	1.084
0.3833	1.002
0.4000	0.926
0.4166	0.860
0.4333	0.794
0.4500	0.737

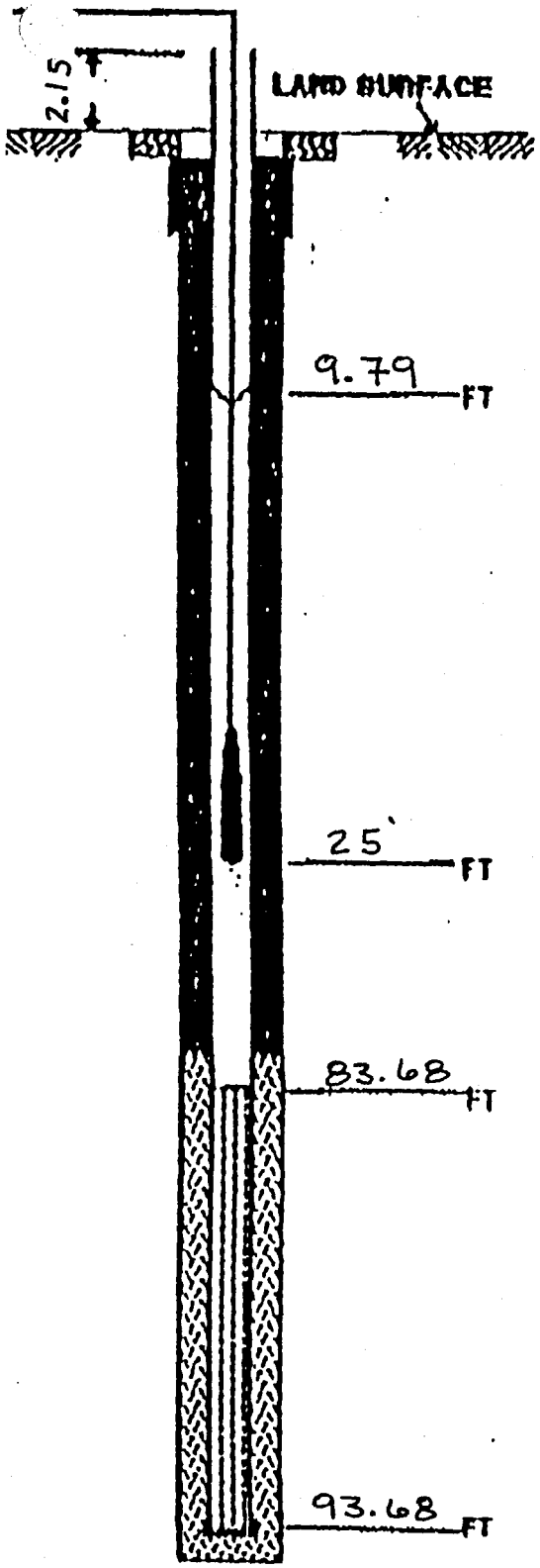
CEF-7-3D RUN 2
(CON'T) PAGE 2
Step 3 05/16 10:40:14

Elapsed Time	INPUT 1
0.4666	0.683
0.4833	0.633
0.5000	0.586
0.5166	0.545
0.5333	0.504
0.5500	0.469
0.5666	0.435
0.5833	0.403
0.6000	0.375
0.6166	0.349
0.6333	0.324
0.6500	0.302
0.6666	0.283
0.6833	0.261
0.7000	0.246
0.7166	0.230
0.7333	0.214
0.7500	0.201
0.7666	0.189
0.7833	0.176
0.8000	0.167
0.8166	0.154
0.8333	0.145
0.8500	0.135
0.8666	0.129
0.8833	0.123
0.9000	0.116
0.9166	0.107
0.9333	0.104
0.9500	0.097
0.9666	0.091
0.9833	0.088
1.0000	0.082
1.2000	0.044
1.4000	0.031
1.6000	0.025
1.8000	0.022
2.0000	0.018
2.2000	0.018
2.4000	0.015
2.6000	0.015
2.8000	0.015
3.0000	0.012
3.2000	0.006
3.4000	0.003
3.6000	0.003
3.8000	0.000
4.0000	−0.003
4.2000	−0.006
4.4000	−0.012
4.6000	−0.012
4.8000	−0.009
5.0000	−0.006
5.2000	−0.003
5.4000	−0.003
5.6000	−0.006
5.8000	−0.012
6.0000	−0.012
6.2000	−0.015
6.4000	−0.015
6.6000	−0.015
6.8000	−0.012
7.0000	−0.009

CEF-7-3D RUN 2
(CON'T) PAGE 2
Step 3 05/16 10:40:14

Elapsed Time	INPUT 1
7.2000	−0.006
7.4000	−0.006
7.6000	−0.006
7.8000	−0.006
8.0000	−0.003
8.2000	0.000
8.4000	−0.003
8.6000	−0.003
8.8000	0.000
9.0000	−0.003
9.2000	−0.006
9.4000	−0.009
9.6000	−0.009
9.8000	−0.009
10.0000	−0.009

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-3D PUMPING WELL ____

DATE 5-16-95 TIME 10:11

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 2	Step 3	Step 4

TIME OF INSTALLATION 10:11

STATIC DEPTH TO WATER 9.79 FT. — PSI

DEPTH OF TRANSDUCER 25'

CALIBRATION

DEPTH 12 FT 2.19 PSI

DEPTH 13 FT 3.21 PSI

DEPTH 14 FT 4.24 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.79

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

05/16/95 11:25:09

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TEST DESCRIPTION

Data set........... cf74s3.set
Data set title..... CEF-7-4S RUN 3

Knowns and Constants:
No. of data points.................. 132
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 13.25
Log(Re/Rw).......................... 2.434
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

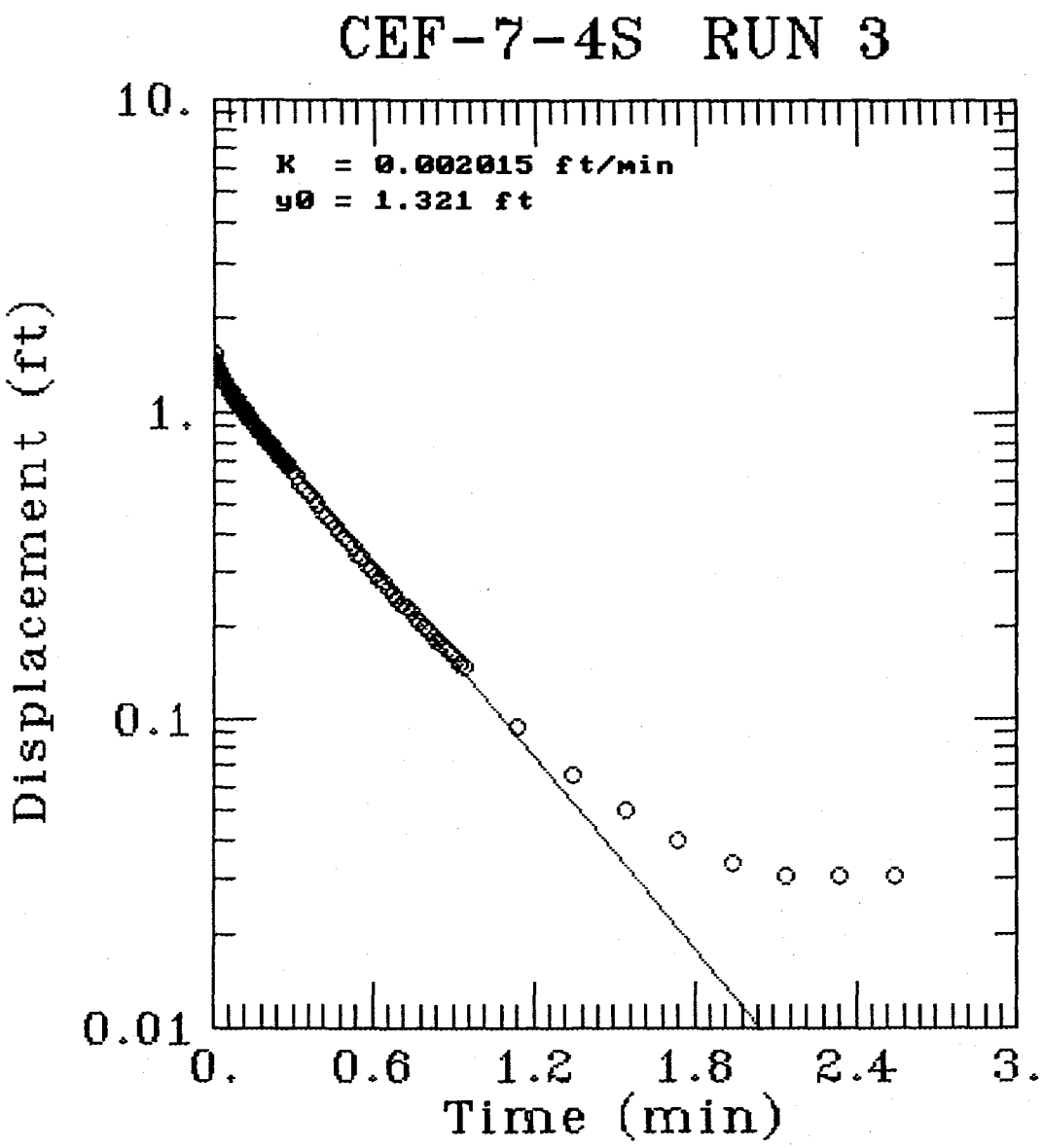
	Estimate
K =	2.0150E-003
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 2.01501E-003
y0 = 1.32111E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.321E+000	3.000E+000	1.028E-003


CEF-7-4S RUN 3
K = 0.002015 ft/min
y0 = 1.321 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/12 11:06

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-4S RUN 3

Step 0 05/12 08:11:55

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.000
0.0133	0.000
0.0166	0.000
0.0200	0.000
0.0233	0.329
0.0266	1.080
0.0300	0.957
0.0333	0.508
0.0366	0.175
0.0400	0.697
0.0433	1.111
0.0466	1.237
0.0500	1.375
0.0533	1.503
0.0566	1.525
0.0600	1.441
0.0633	1.422
0.0666	1.400
0.0700	1.375
0.0733	1.356
0.0766	1.340
0.0800	1.321
0.0833	1.306
0.0866	1.290
0.0900	1.274
0.0933	1.259
0.0966	1.246
0.1000	1.233
0.1033	1.221
0.1066	1.205
0.1100	1.193
0.1133	1.183
0.1166	1.177
0.1200	1.158
0.1233	1.149
0.1266	1.133
0.1300	1.124
0.1333	1.114
0.1366	1.105
0.1400	1.092
0.1433	1.083
0.1466	1.070

CEF-7-4S RUN 3

Step 0 05/12 08:11:55

Elapsed Time	INPUT 1
0.1500	1.061
0.1533	1.051
0.1566	1.042
0.1600	1.033
0.1633	1.023
0.1666	1.014
0.1700	1.004
0.1733	0.998
0.1766	0.989
0.1800	0.979
0.1833	0.970
0.1866	0.960
0.1900	0.954
0.1933	0.945
0.1966	0.938
0.2000	0.929
0.2033	0.920
0.2066	0.913
0.2100	0.907
0.2133	0.898
0.2166	0.891
0.2200	0.882
0.2233	0.876
0.2266	0.869
0.2300	0.860
0.2333	0.854
0.2366	0.847
0.2400	0.838
0.2433	0.832
0.2466	0.825
0.2500	0.819
0.2533	0.813
0.2566	0.807
0.2600	0.800
0.2633	0.794
0.2666	0.785
0.2700	0.778
0.2733	0.772
0.2766	0.766
0.2800	0.759
0.2833	0.753
0.2866	0.750
0.2900	0.744
0.2933	0.737
0.2966	0.731
0.3000	0.725
0.3033	0.719
0.3066	0.712
0.3100	0.709
0.3133	0.703
0.3166	0.697
0.3200	0.690
0.3233	0.684
0.3266	0.681
0.3300	0.675
0.3333	0.668
0.3500	0.640
0.3666	0.615
0.3833	0.590
0.4000	0.565
0.4166	0.543
0.4333	0.521
0.4500	0.499

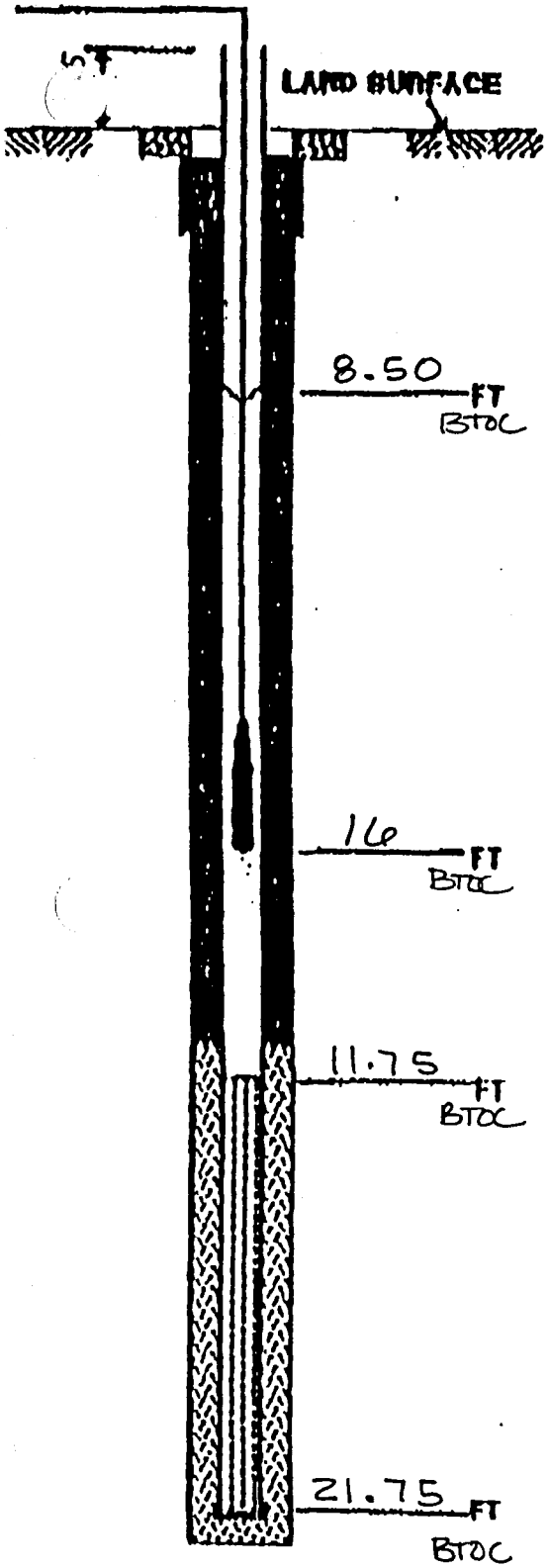
CEF-7-4S RUN 3
(CON'T) PAGE 2
Step 0 05/12 08:11:55

Elapsed Time	INPUT 1
0.4666	0.480
0.4833	0.461
0.5000	0.442
0.5166	0.423
0.5333	0.408
0.5500	0.392
0.5666	0.376
0.5833	0.364
0.6000	0.348
0.6166	0.336
0.6333	0.323
0.6500	0.310
0.6666	0.298
0.6833	0.288
0.7000	0.279
0.7166	0.266
0.7333	0.257
0.7500	0.248
0.7666	0.238
0.7833	0.232
0.8000	0.222
0.8166	0.213
0.8333	0.207
0.8500	0.200
0.8666	0.191
0.8833	0.185
0.9000	0.179
0.9166	0.175
0.9333	0.169
0.9500	0.163
0.9666	0.157
0.9833	0.150
1.0000	0.147
1.2000	0.094
1.4000	0.065
1.6000	0.050
1.8000	0.040
2.0000	0.034
2.2000	0.031
2.4000	0.031
2.6000	0.031
2.8000	0.034
3.0000	0.034
3.2000	0.037
3.4000	0.037
3.6000	0.040
3.8000	0.043
4.0000	0.047
4.2000	0.047
4.4000	0.050
4.6000	0.053
4.8000	0.056
5.0000	0.059
5.2000	0.062
5.4000	0.065
5.6000	0.069
5.8000	0.069
6.0000	0.072
6.2000	0.075
6.4000	0.078
6.6000	0.081
6.8000	0.084
7.0000	0.087

CEF-7-4S RUN 3
(CON'T) PAGE 2
Step 0 05/12 08:11:55

Elapsed Time	INPUT 1
7.2000	0.091
7.4000	0.091
7.6000	0.094
7.8000	0.097
8.0000	0.100
8.2000	0.103
8.4000	0.106
8.6000	0.106
8.8000	0.109
9.0000	0.109
9.2000	0.113
9.4000	0.113
9.6000	0.113
9.8000	0.116
10.0000	0.116

TRANSDUCER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-4S PUMPING WELL ____

DATE 5-12-95 TIME 07:41

DATA LOGGER SERIAL NO. 1KCØ1828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 SEL 0, R2 10 SEL 1, R3 10 SEL 2

TIME OF INSTALLATION 07:41

STATIC DEPTH TO WATER 8.50 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION
DEPTH 13 FT 4.85 PSI
DEPTH 14 FT 5.77 PSI
DEPTH 15 FT 6.75 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.50' B.T.O.C.

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

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

AQTESOLV RESULTS

Version 1.10

05/16/95 11:36:47

==

TEST DESCRIPTION

Data set........... cf75d2.set
Data set title..... CEF-7-5D RUN 2

Knowns and Constants:
No. of data points.................. 136
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 96
Well screen length.................. 10
Static height of water in well...... 86.6
Log(Re/Rw).......................... 3.359
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

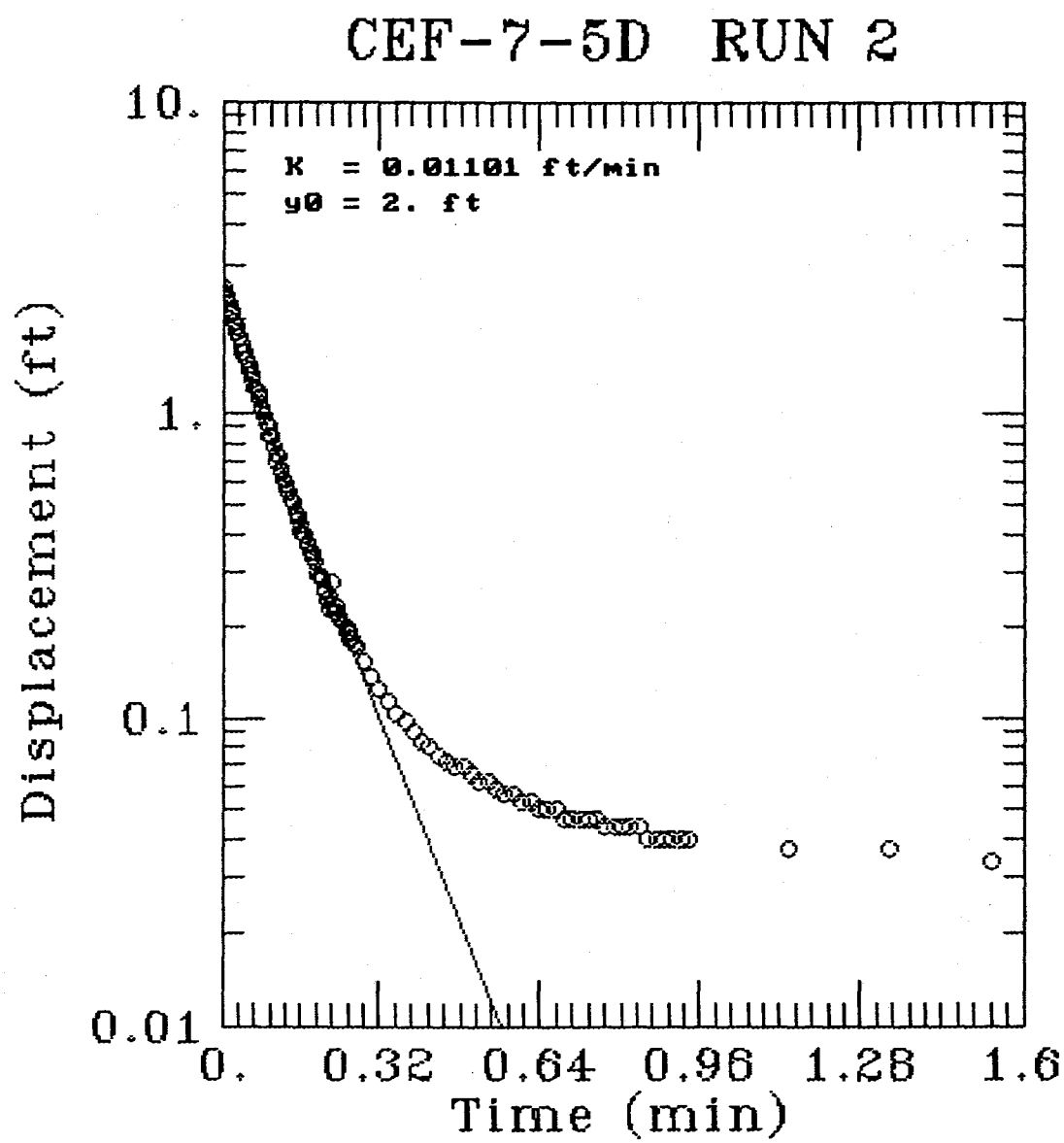
	Estimate
K =	1.3328E-003
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 1.10079E-002
y0 = 1.99975E+000

Time	Drawdown	Time	Drawdown
0.000E+000	2.000E+000	1.600E+000	5.461E-007


CEF-7-5D RUN 2
K = 0.01101 ft/min
y0 = 2. ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.32
0.64
0.96
1.28
1.6
Time (min)

SE1000C
Environmental Logger
05/12 11:11

Unit# 00008 Test 4

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-5D RUN 2

Step 0 05/12 08:52:43

Elapsed Time	INPUT 1
0.0000	0.003
0.0033	0.003
0.0066	0.003
0.0100	0.003
0.0133	0.003
0.0166	0.003
0.0200	0.003
0.0233	0.003
0.0266	1.044
0.0300	1.874
0.0333	0.648
0.0366	0.588
0.0400	0.732
0.0433	1.037
0.0466	1.063
0.0500	1.487
0.0533	1.996
0.0566	1.911
0.0600	2.304
0.0633	2.521
0.0666	2.430
0.0700	2.367
0.0733	2.311
0.0766	2.223
0.0800	2.135
0.0833	2.062
0.0866	1.974
0.0900	1.899
0.0933	1.811
0.0966	1.754
0.1000	1.666
0.1033	1.572
0.1066	1.556
0.1100	1.481
0.1133	1.427
0.1166	1.361
0.1200	1.320
0.1233	1.264
0.1266	1.207
0.1300	1.170
0.1333	1.154
0.1366	1.107
0.1400	1.031
0.1433	1.009
0.1466	0.975

CEF-7-5D RUN 2

Step 0 05/12 08:52:43

Elapsed Time	INPUT 1
0.1500	0.924
0.1533	0.905
0.1566	0.846
0.1600	0.836
0.1633	0.776
0.1666	0.783
0.1700	0.736
0.1733	0.698
0.1766	0.717
0.1800	0.654
0.1833	0.644
0.1866	0.607
0.1900	0.588
0.1933	0.566
0.1966	0.556
0.2000	0.525
0.2033	0.515
0.2066	0.509
0.2100	0.475
0.2133	0.471
0.2166	0.449
0.2200	0.437
0.2233	0.409
0.2266	0.405
0.2300	0.399
0.2333	0.377
0.2366	0.374
0.2400	0.349
0.2433	0.352
0.2466	0.336
0.2500	0.324
0.2533	0.324
0.2566	0.295
0.2600	0.292
0.2633	0.286
0.2666	0.289
0.2700	0.267
0.2733	0.261
0.2766	0.248
0.2800	0.251
0.2833	0.226
0.2866	0.280
0.2900	0.223
0.2933	0.232
0.2966	0.223
0.3000	0.217
0.3033	0.213
0.3066	0.207
0.3100	0.204
0.3133	0.198
0.3166	0.191
0.3200	0.191
0.3233	0.182
0.3266	0.182
0.3300	0.176
0.3333	0.173
0.3500	0.154
0.3666	0.138
0.3833	0.125
0.4000	0.113
0.4166	0.103
0.4333	0.097
0.4500	0.091

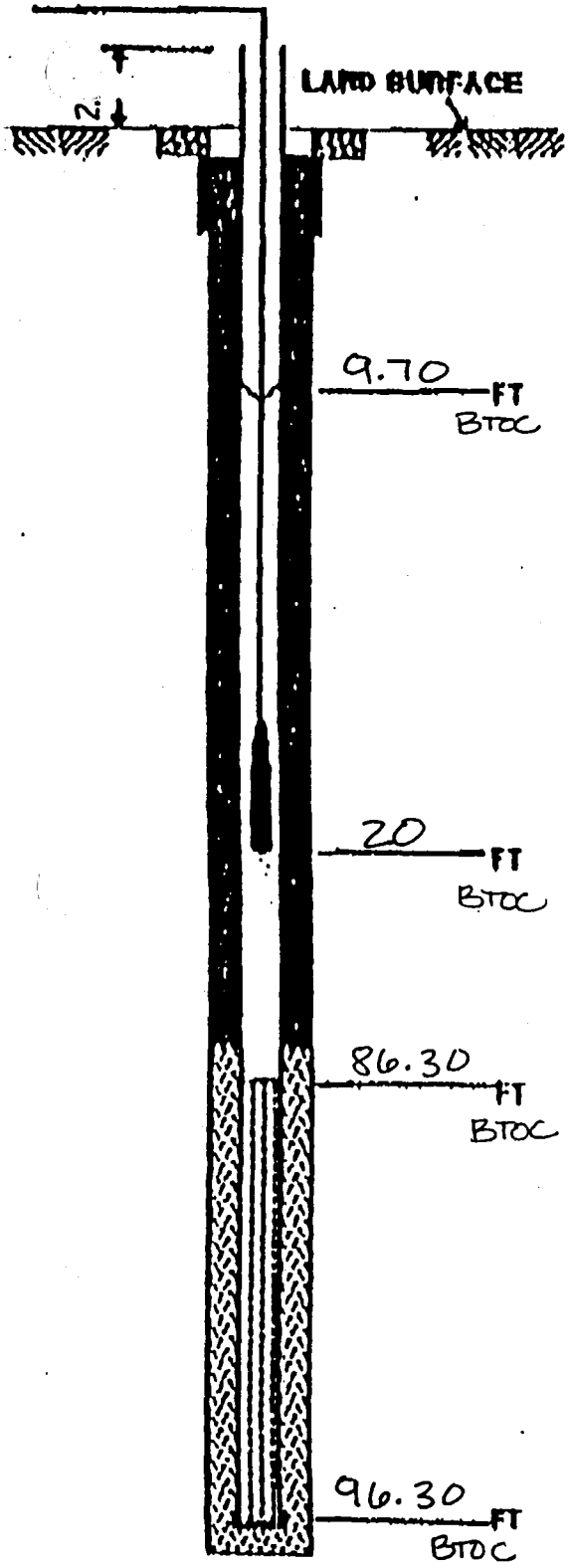
CEF-7-5D RUN 2
(CON'T) PAGE 2
Step 0 05/12 08:52:43

Elapsed Time	INPUT 1
0.4666	0.084
0.4833	0.081
0.5000	0.075
0.5166	0.072
0.5333	0.069
0.5500	0.069
0.5666	0.066
0.5833	0.062
0.6000	0.062
0.6166	0.059
0.6333	0.056
0.6500	0.056
0.6666	0.053
0.6833	0.053
0.7000	0.050
0.7166	0.050
0.7333	0.050
0.7500	0.047
0.7666	0.047
0.7833	0.047
0.8000	0.047
0.8166	0.047
0.8333	0.044
0.8500	0.044
0.8666	0.044
0.8833	0.044
0.9000	0.044
0.9166	0.040
0.9333	0.040
0.9500	0.040
0.9666	0.040
0.9833	0.040
1.0000	0.040
1.2000	0.037
1.4000	0.037
1.6000	0.034
1.8000	0.034
2.0000	0.037
2.2000	0.040
2.4000	0.044
2.6000	0.047
2.8000	0.047
3.0000	0.050
3.2000	0.050
3.4000	0.050
3.6000	0.050
3.8000	0.050
4.0000	0.047
4.2000	0.050
4.4000	0.050
4.6000	0.053
4.8000	0.056
5.0000	0.059
5.2000	0.062
5.4000	0.066
5.6000	0.069
5.8000	0.075
6.0000	0.078
6.2000	0.081
6.4000	0.084
6.6000	0.088
6.8000	0.088
7.0000	0.091

CEF-7-5D RUN 2
(CON'T) PAGE 2
Step 0 05/12 08:52:43

Elapsed Time	INPUT 1
7.2000	0.094
7.4000	0.091
7.6000	0.091
7.8000	0.088
8.0000	0.088
8.2000	0.088
8.4000	0.084
8.6000	0.084
8.8000	0.084
9.0000	0.084
9.2000	0.084
9.4000	0.088
9.6000	0.088
9.8000	0.088
10.0000	0.088

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-5D PUMPING WELL ____

DATE 5-12-95 TIME 08:41

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL 3 SEL 4 SEL 5

TIME OF INSTALLATION 08:41

STATIC DEPTH TO WATER 9.70 FT. ____ PSI

DEPTH OF TRANSDUCER 20

CALIBRATION
DEPTH 15 FT 6.10 PSI
DEPTH 16 FT 7.16 PSI
DEPTH 17 FT 8.19 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.70 B.T.O.C.

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

05/12/95

08:19:35

= =

TEST DESCRIPTION

Data set........... cf76s2.set
Data set title..... CEF-7-6S RUN 2

Knowns and Constants:
No. of data points.................. 93
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 12.13
Log(Re/Rw).......................... 2.396
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

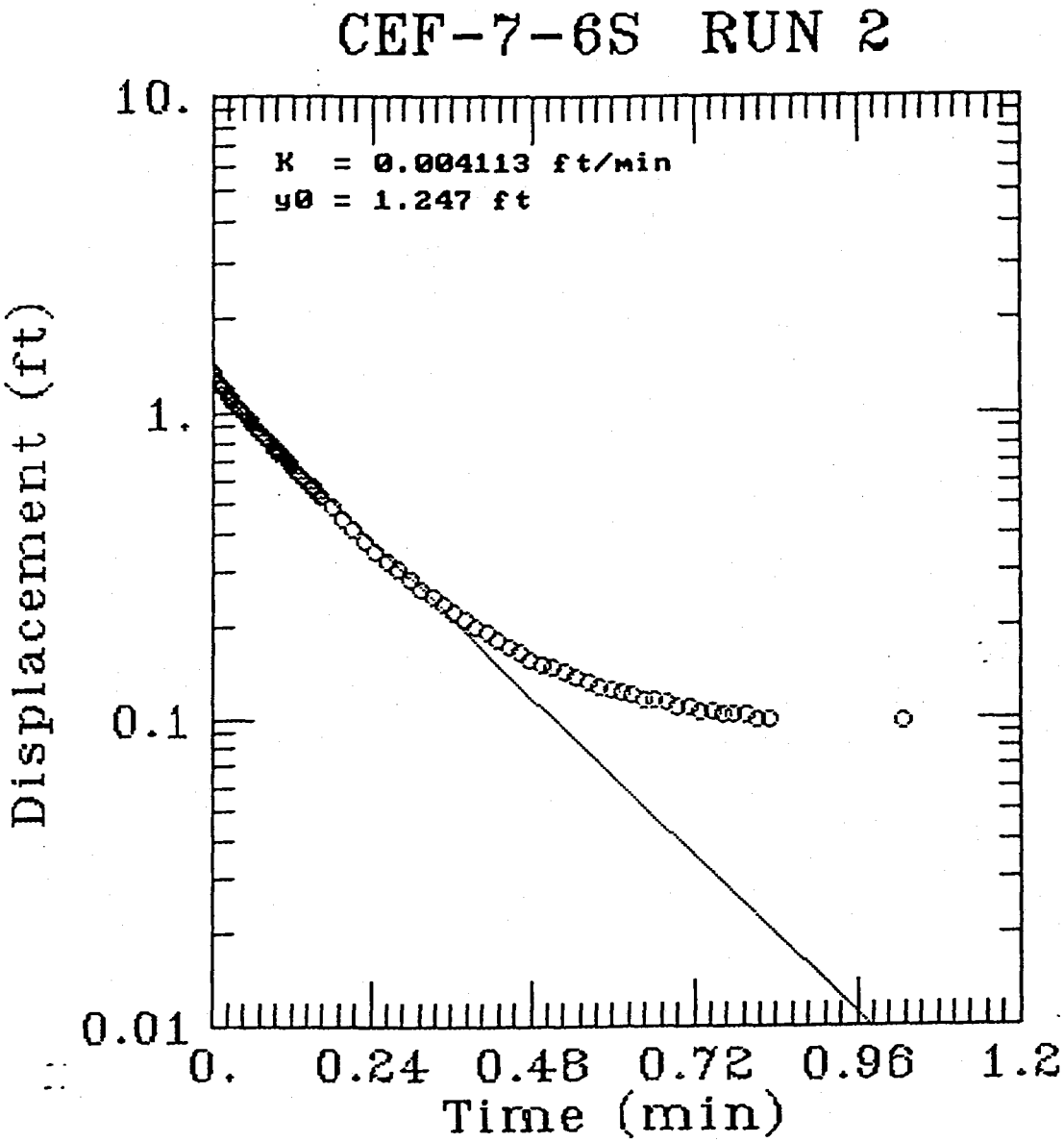
Estimate
K = 3.9554E-003
y0 = 0.0000E+000

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

TYPE CURVE DATA

K = 4.113E-003
y0 = 1.247E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.151E+000	1.200E+000	4.942E-003


CEF-7-6S RUN 2
K = 0.004113 ft/min
y0 = 1.247 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.24
0.48
0.72
0.96
1.2
Time (min)

SE1000C
Environmental Logger
05/10 16:55

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-6S RUN 2

Step 0 05/10 12:03:18

Elapsed Time	INPUT 1
0.0000	0.084
0.0033	0.084
0.0066	0.084
0.0100	0.084
0.0133	0.084
0.0166	0.084
0.0200	0.084
0.0233	0.084
0.0266	0.084
0.0300	0.084
0.0333	0.084
0.0366	0.084
0.0400	0.084
0.0433	0.084
0.0466	0.084
0.0500	0.084
0.0533	0.084
0.0566	0.084
0.0600	0.084
0.0633	0.084
0.0666	0.084
0.0700	0.084
0.0733	0.084
0.0766	0.084
0.0800	0.084
0.0833	0.106
0.0866	0.304
0.0900	0.307
0.0933	0.235
0.0966	0.219
0.1000	0.216
0.1033	0.301
0.1066	0.458
0.1100	0.379
0.1133	0.295
0.1166	0.464
0.1200	0.699
0.1233	0.690
0.1266	0.753
0.1300	0.935
0.1333	0.947
0.1366	0.687
0.1400	0.872
0.1433	1.098
0.1466	0.922

CEF-7-6S RUN 2

Step 0 05/10 12:03:18

Elapsed Time	INPUT 1
0.1500	0.797
0.1533	1.054
0.1566	0.985
0.1600	1.098
0.1633	1.242
0.1666	1.302
0.1700	1.343
0.1733	1.321
0.1766	1.264
0.1800	1.248
0.1833	1.223
0.1866	1.192
0.1900	1.170
0.1933	1.145
0.1966	1.123
0.2000	1.098
0.2033	1.079
0.2066	1.057
0.2100	1.032
0.2133	1.013
0.2166	0.994
0.2200	0.979
0.2233	0.960
0.2266	0.941
0.2300	0.925
0.2333	0.906
0.2366	0.888
0.2400	0.872
0.2433	0.856
0.2466	0.841
0.2500	0.825
0.2533	0.809
0.2566	0.794
0.2600	0.781
0.2633	0.768
0.2666	0.753
0.2700	0.740
0.2733	0.728
0.2766	0.715
0.2800	0.703
0.2833	0.690
0.2866	0.677
0.2900	0.668
0.2933	0.655
0.2966	0.643
0.3000	0.633
0.3033	0.621
0.3066	0.612
0.3100	0.599
0.3133	0.590
0.3166	0.580
0.3200	0.571
0.3233	0.561
0.3266	0.552
0.3300	0.546
0.3333	0.533
0.3500	0.492
0.3666	0.451
0.3833	0.414
0.4000	0.382
0.4166	0.354
0.4333	0.329
0.4500	0.307

CEF-7-6S RUN 2
(CON'T) PAGE 2

Step 0 05/10 12:03:18

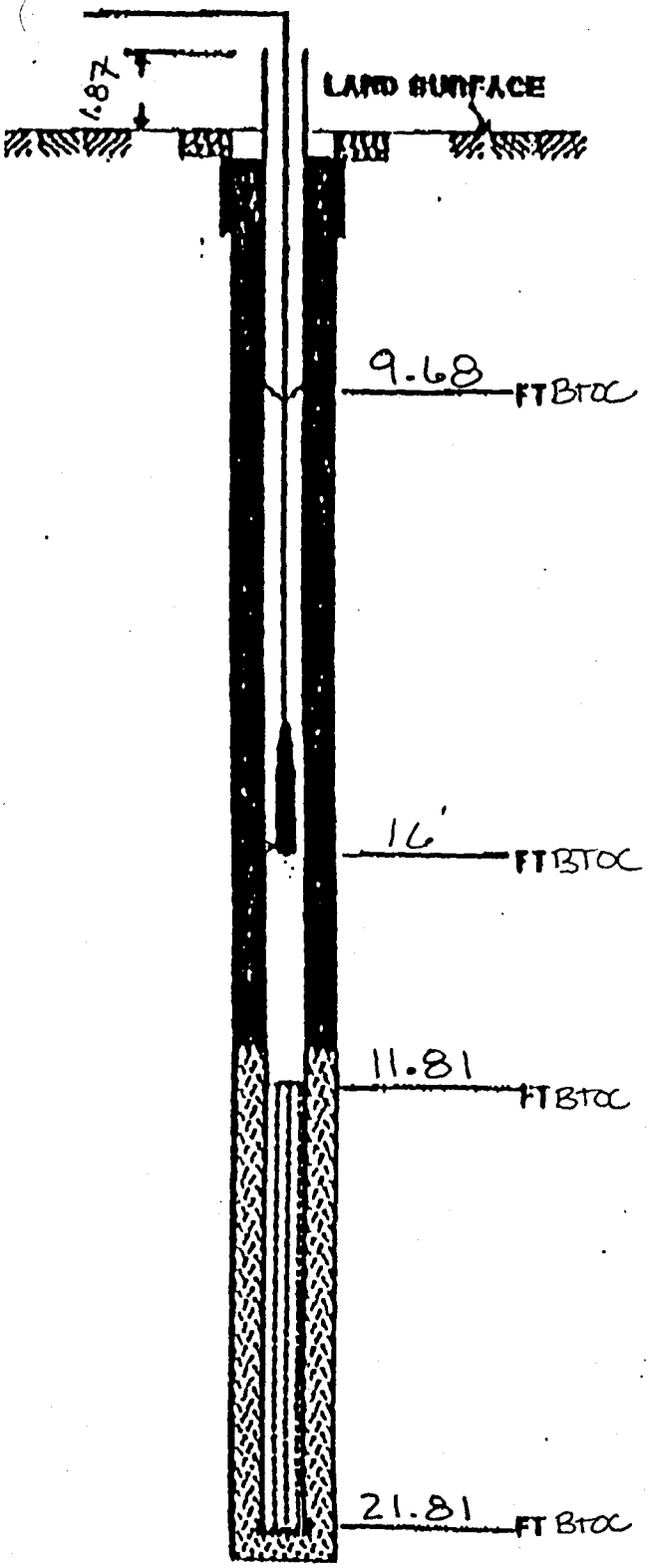
Elapsed Time	INPUT 1
0.4666	0.285
0.4833	0.266
0.5000	0.251
0.5166	0.235
0.5333	0.222
0.5500	0.210
0.5666	0.200
0.5833	0.191
0.6000	0.182
0.6166	0.172
0.6333	0.166
0.6500	0.156
0.6666	0.150
0.6833	0.147
0.7000	0.141
0.7166	0.138
0.7333	0.131
0.7500	0.128
0.7666	0.125
0.7833	0.122
0.8000	0.119
0.8166	0.116
0.8333	0.116
0.8500	0.113
0.8666	0.109
0.8833	0.109
0.9000	0.106
0.9166	0.106
0.9333	0.103
0.9500	0.103
0.9666	0.103
0.9833	0.100
1.0000	0.100
1.2000	0.097
1.4000	0.097
1.6000	0.097
1.8000	0.100
2.0000	0.103
2.2000	0.100
2.4000	0.103
2.6000	0.103
2.8000	0.100
3.0000	0.097
3.2000	0.094
3.4000	0.091
3.6000	0.087
3.8000	0.087
4.0000	0.087
4.2000	0.091
4.4000	0.091
4.6000	0.094
4.8000	0.091
5.0000	0.087
5.2000	0.087
5.4000	0.084
5.6000	0.084
5.8000	0.084
6.0000	0.084
6.2000	0.081
6.4000	0.081
6.6000	0.078
6.8000	0.078
7.0000	0.078

CEF-7-6S RUN 2
(CON'T) PAGE 2

Step 0 05/10 12:03:18

Elapsed Time	INPUT 1
7.2000	0.081
7.4000	0.081
7.6000	0.084
7.8000	0.084
8.0000	0.084
8.2000	0.084
8.4000	0.084
8.6000	0.084
8.8000	0.084
9.0000	0.084
9.2000	0.087
9.4000	0.087
9.6000	0.087
9.8000	0.087
10.0000	0.091
12.0000	0.109
14.0000	0.091
16.0000	0.078

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-6S PUMPING WELL ____

DATE 5-10-95 TIME 11:33

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 16, R2 16, R3 16 (SEL0, SEL1, SEL2)

TIME OF INSTALLATION 11:15

STATIC DEPTH TO WATER 9.68' BTOC FT. ____ PSI

DEPTH OF TRANSDUCER 16' below T.O.C.

CALIBRATION
DEPTH 12' FT 2.82 PSI Ft
DEPTH 13' FT 3.79 PSI
DEPTH 14' FT 4.74 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.68

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

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

AQTESOLV RESULTS
Version 1.10

05/12/95 10:47:31

= =

TEST DESCRIPTION

Data set........... cf77i2.set
Data set title..... CEF-7-7I RUN 2

Knowns and Constants:
No. of data points.................. 132
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 43.38
Log(Re/Rw).......................... 2.924
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

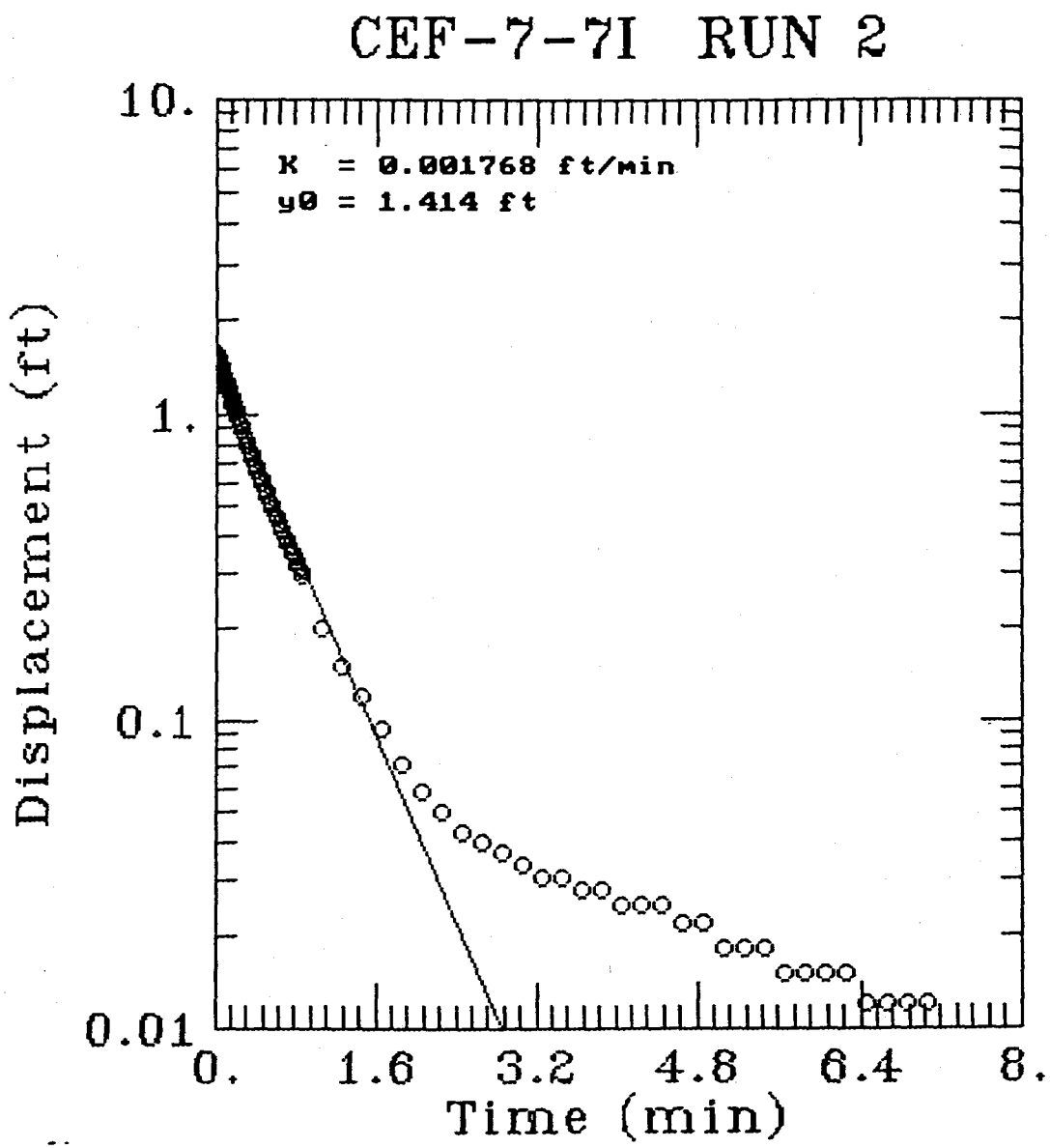
Estimate
K = 1.7962E-003
y0 = 1.4576E+000

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

TYPE CURVE DATA

K = 1.768E-003
y0 = 1.414E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.458E+000	8.000E+000	1.028E-006


CEF-7-7I RUN 2
K = 0.001768 ft/min
y0 = 1.414 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
1.6
3.2
4.8
6.4
8.
Time (min)

SE1000C
Environmental Logger
05/10 17:08

Unit# 00008 Test 4

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-71 RUN 2

Step 0 05/10 14:41:13

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
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	-0.103
0.0333	0.182
0.0366	0.229
0.0400	0.248
0.0433	0.317
0.0466	0.471
0.0500	0.361
0.0533	0.342
0.0566	0.232
0.0600	0.207
0.0633	0.323
0.0666	0.304
0.0700	0.267
0.0733	-0.012
0.0766	0.135
0.0800	0.521
0.0833	0.643
0.0866	0.621
0.0900	0.716
0.0933	0.898
0.0966	1.064
0.1000	1.140
0.1033	1.243
0.1066	1.391
0.1100	1.444
0.1133	1.504
0.1166	1.529
0.1200	1.545
0.1233	1.554
0.1266	1.554
0.1300	1.554
0.1333	1.551
0.1366	1.548
0.1400	1.545
0.1433	1.538
0.1466	1.532

CEF-7-71 RUN 2

Step 0 05/10 14:41:13

Elapsed Time	INPUT 1
0.1500	1.526
0.1533	1.520
0.1566	1.513
0.1600	1.504
0.1633	1.494
0.1666	1.485
0.1700	1.469
0.1733	1.457
0.1766	1.444
0.1800	1.429
0.1833	1.413
0.1866	1.397
0.1900	1.388
0.1933	1.375
0.1966	1.363
0.2000	1.350
0.2033	1.341
0.2066	1.331
0.2100	1.319
0.2133	1.309
0.2166	1.300
0.2200	1.290
0.2233	1.281
0.2266	1.272
0.2300	1.262
0.2333	1.250
0.2366	1.243
0.2400	1.234
0.2433	1.228
0.2466	1.218
0.2500	1.209
0.2533	1.199
0.2566	1.193
0.2600	1.187
0.2633	1.180
0.2666	1.165
0.2700	1.162
0.2733	1.149
0.2766	1.146
0.2800	1.137
0.2833	1.127
0.2866	1.121
0.2900	1.111
0.2933	1.105
0.2966	1.096
0.3000	1.089
0.3033	1.080
0.3066	1.074
0.3100	1.067
0.3133	1.061
0.3166	1.052
0.3200	1.045
0.3233	1.039
0.3266	1.033
0.3300	1.027
0.3333	1.020
0.3500	0.983
0.3666	0.948
0.3833	0.917
0.4000	0.885
0.4166	0.854
0.4333	0.822
0.4500	0.797

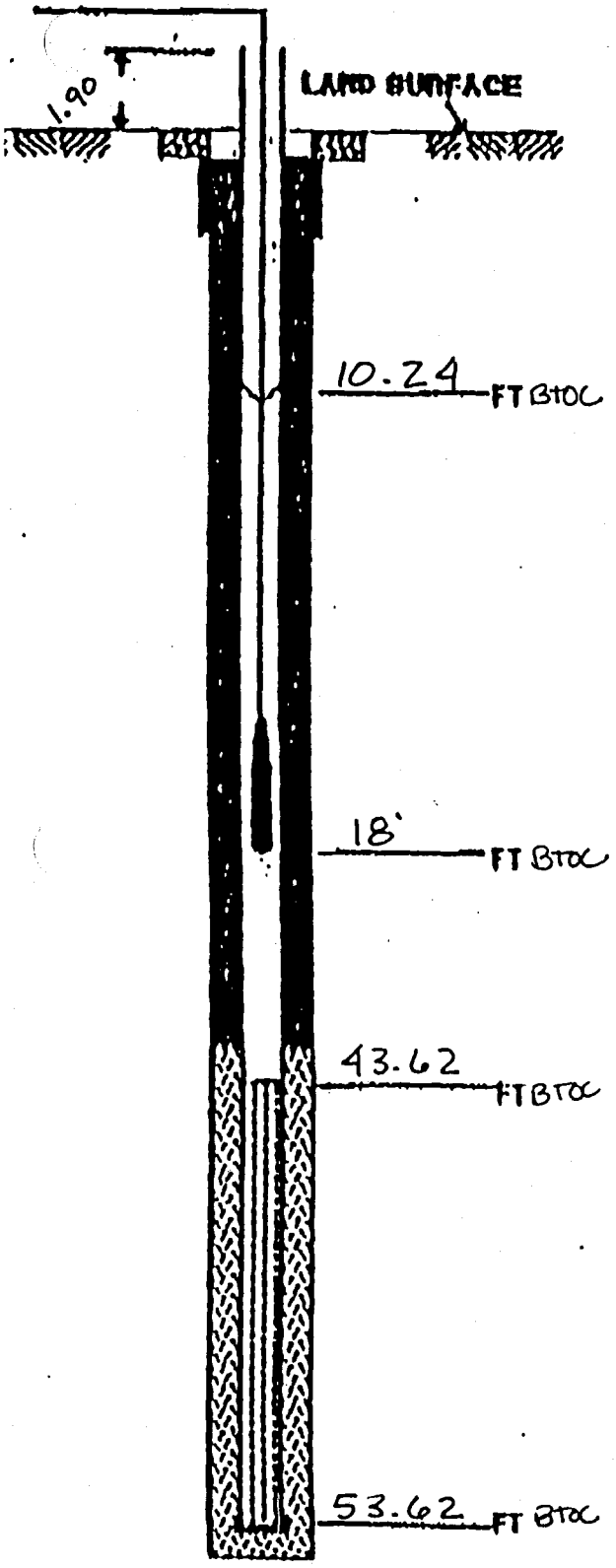
CEF-7-71 RUN 2
(CON'T) PAGE 2
Step 0 05/10 14:41:13

Elapsed Time	INPUT 1
0.4666	0.769
0.4833	0.744
0.5000	0.722
0.5166	0.697
0.5333	0.675
0.5500	0.653
0.5666	0.634
0.5833	0.615
0.6000	0.596
0.6166	0.578
0.6333	0.559
0.6500	0.543
0.6666	0.527
0.6833	0.512
0.7000	0.496
0.7166	0.480
0.7333	0.468
0.7500	0.455
0.7666	0.439
0.7833	0.427
0.8000	0.414
0.8166	0.405
0.8333	0.392
0.8500	0.383
0.8666	0.370
0.8833	0.361
0.9000	0.351
0.9166	0.342
0.9333	0.332
0.9500	0.323
0.9666	0.314
0.9833	0.307
1.0000	0.298
1.2000	0.201
1.4000	0.150
1.6000	0.119
1.8000	0.094
2.0000	0.072
2.2000	0.059
2.4000	0.050
2.6000	0.043
2.8000	0.040
3.0000	0.037
3.2000	0.034
3.4000	0.031
3.6000	0.031
3.8000	0.028
4.0000	0.028
4.2000	0.025
4.4000	0.025
4.6000	0.025
4.8000	0.022
5.0000	0.022
5.2000	0.018
5.4000	0.018
5.6000	0.018
5.8000	0.015
6.0000	0.015
6.2000	0.015
6.4000	0.015
6.6000	0.012
6.8000	0.012
7.0000	0.012

CEF-7-71 RUN 2
(CON'T) PAGE 2
Step 0 05/10 14:41:13

Elapsed Time	INPUT 1
7.2000	0.012
7.4000	0.015
7.6000	0.015
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.015
8.6000	0.015
8.8000	0.015
9.0000	0.015
9.2000	0.015
9.4000	0.015
9.6000	0.015
9.8000	0.015
10.0000	0.015

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-7 I PUMPING WELL ____

DATE 5-10-95 TIME 1427

DATA LOGGER SERIAL NO. 1KC Ø1828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL3 SEL4 SEL5

TIME OF INSTALLATION 1427

STATIC DEPTH TO WATER 10.24 FT. ____ PSI

DEPTH OF TRANSDUCER 18'

CALIBRATION
DEPTH 12 FT 1.72 PSI
DEPTH 13 FT 2.77 PSI
DEPTH 14 FT 3.83 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 10.24

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

05/16/95 11:53:10

TEST DESCRIPTION

Data set........... cf78s3.set
Data set title..... CEF-7-8S RUN 3

Knowns and Constants:
No. of data points.................. 130
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 16.36
Log(Re/Rw).......................... 2.522
A, B, C............................. 2.760, 0.448, 0.000

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

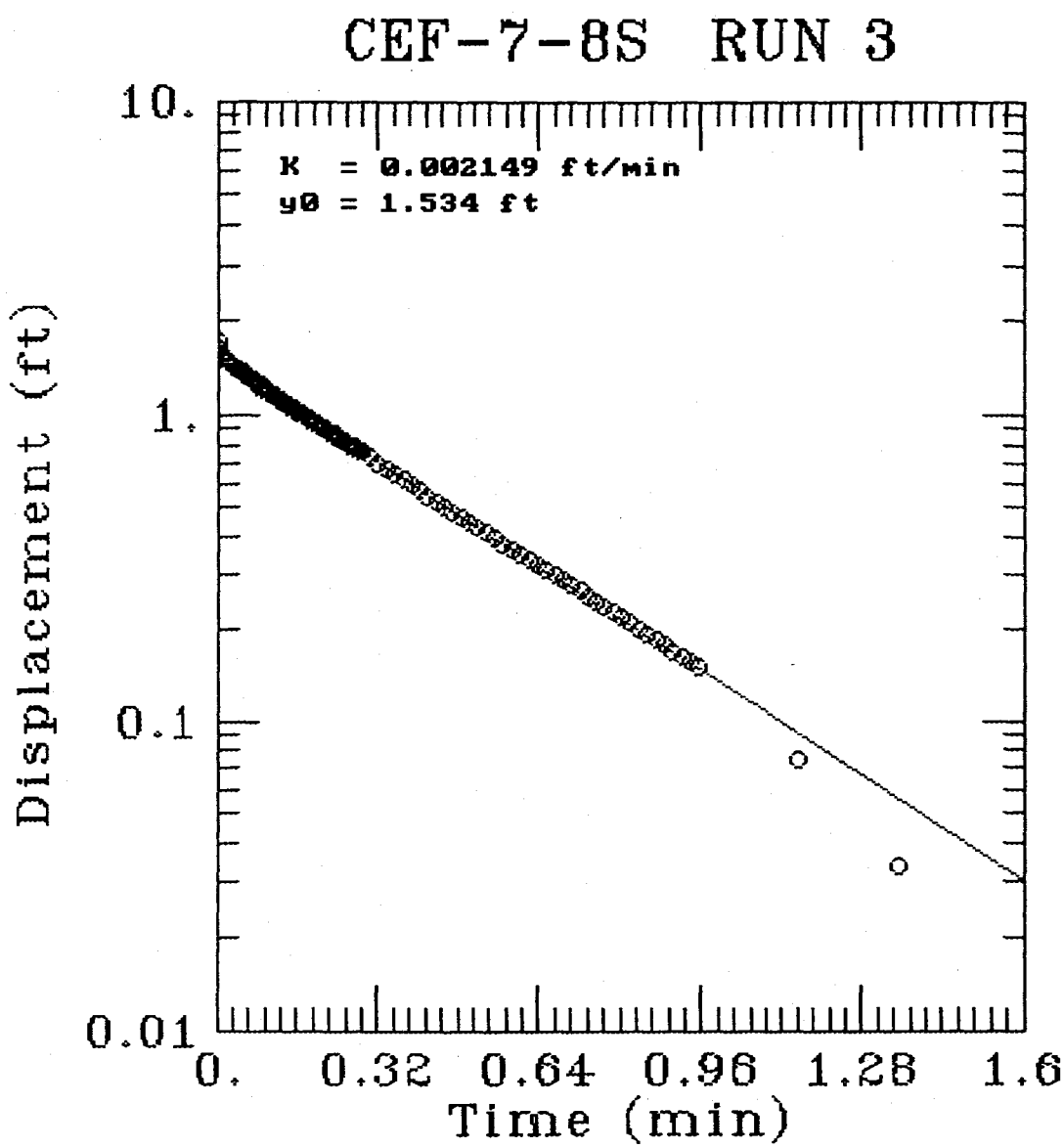
	Estimate
K =	2.3002E-003
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 2.14913E-003
y0 = 1.53364E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.534E+000	1.600E+000	3.014E-002


CEF-7-8S RUN 3
K = 0.002149 ft/min
y0 = 1.534 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.32
0.64
0.96
1.28
1.6
Time (min)

SE1000C
Environmental Logger
05/12 15:13

Unit# 00008 Test 5

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-8S RUN 3

Step 0 05/12 13:24:25

Elapsed Time	INPUT 1
0.0000	-0.003
0.0033	-0.003
0.0066	-0.003
0.0100	-0.003
0.0133	0.153
0.0166	0.822
0.0200	1.302
0.0233	0.992
0.0266	0.649
0.0300	0.684
0.0333	0.850
0.0366	1.026
0.0400	1.215
0.0433	1.547
0.0466	1.732
0.0500	1.616
0.0533	1.516
0.0566	1.550
0.0600	1.522
0.0633	1.494
0.0666	1.494
0.0700	1.472
0.0733	1.459
0.0766	1.444
0.0800	1.431
0.0833	1.400
0.0866	1.397
0.0900	1.384
0.0933	1.375
0.0966	1.359
0.1000	1.343
0.1033	1.331
0.1066	1.321
0.1100	1.309
0.1133	1.296
0.1166	1.287
0.1200	1.271
0.1233	1.265
0.1266	1.249
0.1300	1.230
0.1333	1.237
0.1366	1.215
0.1400	1.208
0.1433	1.193
0.1466	1.186

CEF-7-8S RUN 3

Step 0 05/12 13:24:25

Elapsed Time	INPUT 1
0.1500	1.174
0.1533	1.167
0.1566	1.158
0.1600	1.149
0.1633	1.136
0.1666	1.127
0.1700	1.117
0.1733	1.108
0.1766	1.098
0.1800	1.086
0.1833	1.080
0.1866	1.070
0.1900	1.061
0.1933	1.054
0.1966	1.045
0.2000	1.036
0.2033	1.029
0.2066	1.020
0.2100	1.014
0.2133	1.004
0.2166	0.995
0.2200	0.989
0.2233	0.979
0.2266	0.973
0.2300	0.963
0.2333	0.957
0.2366	0.951
0.2400	0.941
0.2433	0.935
0.2466	0.926
0.2500	0.920
0.2533	0.913
0.2566	0.904
0.2600	0.898
0.2633	0.891
0.2666	0.885
0.2700	0.876
0.2733	0.869
0.2766	0.863
0.2800	0.857
0.2833	0.850
0.2866	0.841
0.2900	0.835
0.2933	0.828
0.2966	0.822
0.3000	0.816
0.3033	0.810
0.3066	0.806
0.3100	0.797
0.3133	0.791
0.3166	0.788
0.3200	0.778
0.3233	0.775
0.3266	0.769
0.3300	0.763
0.3333	0.756
0.3500	0.728
0.3666	0.697
0.3833	0.672
0.4000	0.643
0.4166	0.618
0.4333	0.593
0.4500	0.571

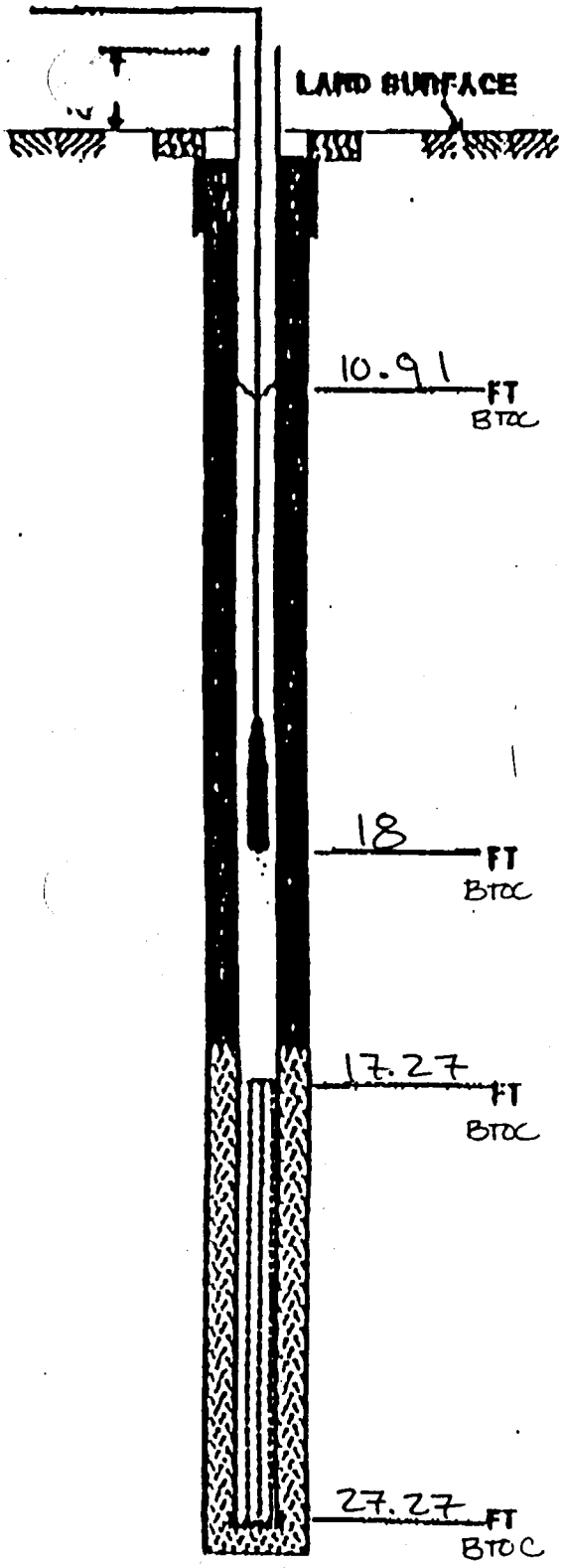
CEF-7-8S RUN 3
(CON'T) PAGE 2
Step 0 05/12 13:24:25

Elapsed Time	INPUT 1
0.4666	0.546
0.4833	0.524
0.5000	0.505
0.5166	0.486
0.5333	0.467
0.5500	0.449
0.5666	0.430
0.5833	0.414
0.6000	0.398
0.6166	0.383
0.6333	0.367
0.6500	0.354
0.6666	0.339
0.6833	0.326
0.7000	0.314
0.7166	0.301
0.7333	0.292
0.7500	0.279
0.7666	0.270
0.7833	0.257
0.8000	0.248
0.8166	0.235
0.8333	0.229
0.8500	0.219
0.8666	0.210
0.8833	0.200
0.9000	0.194
0.9166	0.185
0.9333	0.178
0.9500	0.169
0.9666	0.163
0.9833	0.157
1.0000	0.150
1.2000	0.075
1.4000	0.034
1.6000	0.009
1.8000	−0.012
2.0000	−0.028
2.2000	−0.034
2.4000	−0.047
2.6000	−0.043
2.8000	−0.037
3.0000	−0.028
3.2000	−0.025
3.4000	−0.025
3.6000	−0.031
3.8000	−0.037
4.0000	−0.043
4.2000	−0.053
4.4000	−0.059
4.6000	−0.062
4.8000	−0.069
5.0000	−0.072
5.2000	−0.072
5.4000	−0.078
5.6000	−0.081
5.8000	−0.081
6.0000	−0.072
6.2000	−0.065
6.4000	−0.062
6.6000	−0.056
6.8000	−0.050
7.0000	−0.043

CEF-7-8S RUN 3
(CON'T) PAGE 2
Step 0 05/12 13:24:25

Elapsed Time	INPUT 1
7.2000	−0.034
7.4000	−0.022
7.6000	−0.015
7.8000	−0.015
8.0000	−0.015
8.2000	−0.012
8.4000	−0.006
8.6000	0.003
8.8000	0.009
9.0000	0.015
9.2000	0.018
9.4000	0.025
9.6000	0.028
9.8000	0.021
10.0000	0.021

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-8S PUMPING WELL ____

DATE 5-12-95 TIME 12:58

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input # 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 3	SEL 4	SEL 5

TIME OF INSTALLATION 12:58

STATIC DEPTH TO WATER 10.91 FT. ____ PSI

DEPTH OF TRANSDUCER 18' B.T.O.C.

CALIBRATION
DEPTH 13 FT 1.98 PSI
DEPTH 14 FT 3.03 PSI
DEPTH 15 FT 4.02 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 10.91' B.T.O.C.

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

05/16/95 11:43:59

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TEST DESCRIPTION

Data set........... cf79i3.set
Data set title..... CEF-7-9I RUN 3

Knowns and Constants:
No. of data points.................. 150
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 41.74
Log(Re/Rw).......................... 2.907
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

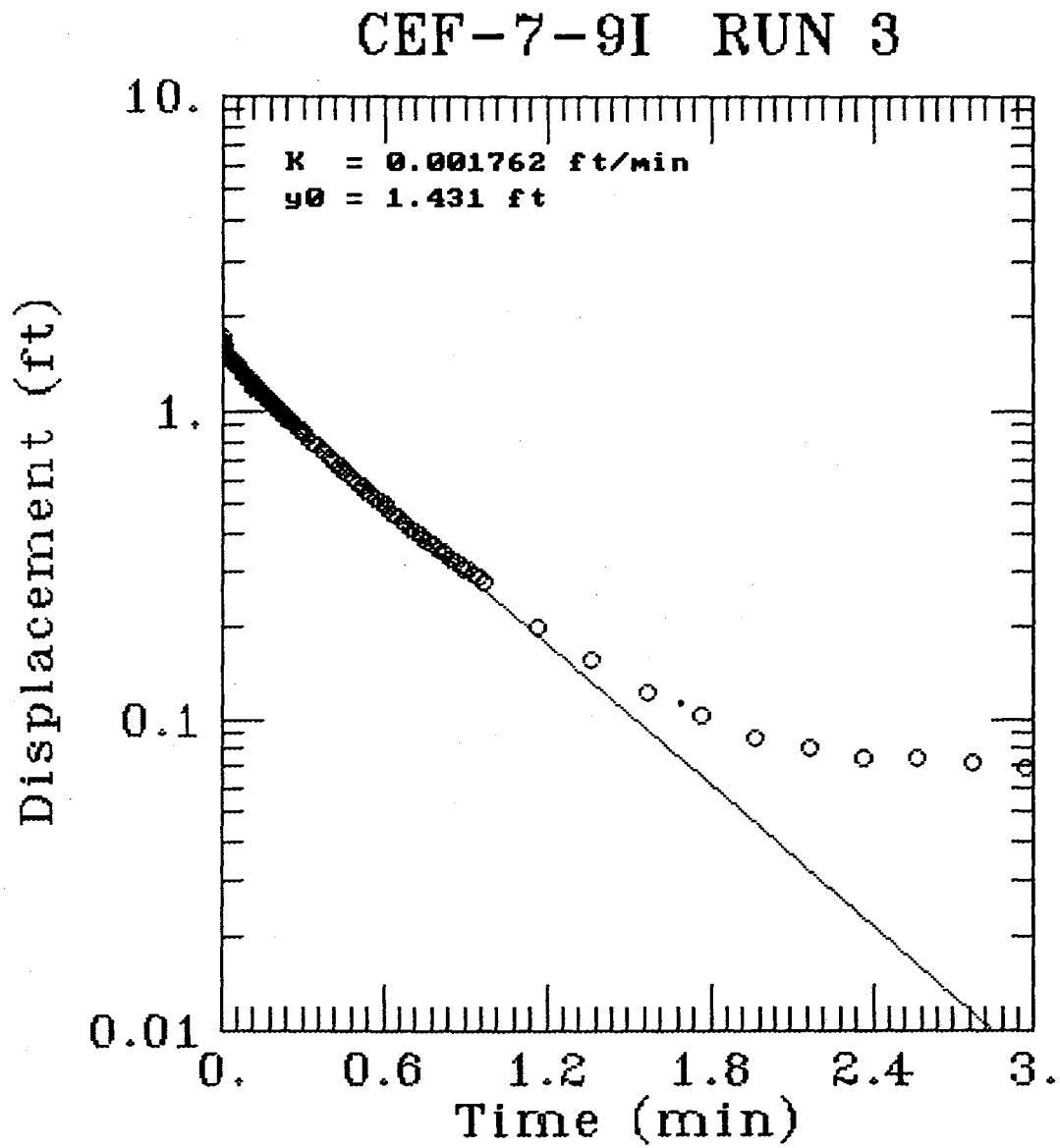
	Estimate
K =	9.8156E-004
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 1.76159E-003
y0 = 1.43147E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.431E+000	3.000E+000	7.592E-003


CEF-7-9I RUN 3
K = 0.001762 ft/min
y0 = 1.431 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/12 15:21

Unit# 00008 Test 8

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-9I RUN 3

Step 0 05/12 14:26:27

Elapsed Time	INPUT 1
0.0000	-0.003
0.0033	-0.003
0.0066	-0.003
0.0100	-0.006
0.0133	1.218
0.0166	0.907
0.0200	0.741
0.0233	0.697
0.0266	1.010
0.0300	1.400
0.0333	1.723
0.0366	1.663
0.0400	1.619
0.0433	1.582
0.0466	1.557
0.0500	1.528
0.0533	1.513
0.0566	1.516
0.0600	1.491
0.0633	1.478
0.0666	1.475
0.0700	1.462
0.0733	1.450
0.0766	1.437
0.0800	1.425
0.0833	1.412
0.0866	1.403
0.0900	1.390
0.0933	1.381
0.0966	1.365
0.1000	1.356
0.1033	1.343
0.1066	1.334
0.1100	1.324
0.1133	1.315
0.1166	1.302
0.1200	1.296
0.1233	1.284
0.1266	1.274
0.1300	1.262
0.1333	1.255
0.1366	1.246
0.1400	1.233
0.1433	1.227
0.1466	1.218

CEF-7-9I RUN 3

Step 0 05/12 14:26:27

Elapsed Time	INPUT 1
0.1500	1.211
0.1533	1.183
0.1566	1.199
0.1600	1.186
0.1633	1.180
0.1666	1.171
0.1700	1.164
0.1733	1.155
0.1766	1.149
0.1800	1.139
0.1833	1.133
0.1866	1.123
0.1900	1.117
0.1933	1.111
0.1966	1.101
0.2000	1.095
0.2033	1.086
0.2066	1.080
0.2100	1.073
0.2133	1.067
0.2166	1.061
0.2200	1.054
0.2233	1.045
0.2266	1.039
0.2300	1.032
0.2333	1.026
0.2366	1.020
0.2400	1.014
0.2433	1.007
0.2466	1.001
0.2500	0.995
0.2533	0.988
0.2566	0.982
0.2600	0.976
0.2633	0.970
0.2666	0.963
0.2700	0.957
0.2733	0.954
0.2766	0.948
0.2800	0.941
0.2833	0.935
0.2866	0.929
0.2900	0.923
0.2933	0.916
0.2966	0.910
0.3000	0.907
0.3033	0.901
0.3066	0.894
0.3100	0.888
0.3133	0.885
0.3166	0.879
0.3200	0.872
0.3233	0.869
0.3266	0.863
0.3300	0.857
0.3333	0.854
0.3500	0.825
0.3666	0.800
0.3833	0.775
0.4000	0.753
0.4166	0.728
0.4333	0.706
0.4500	0.687

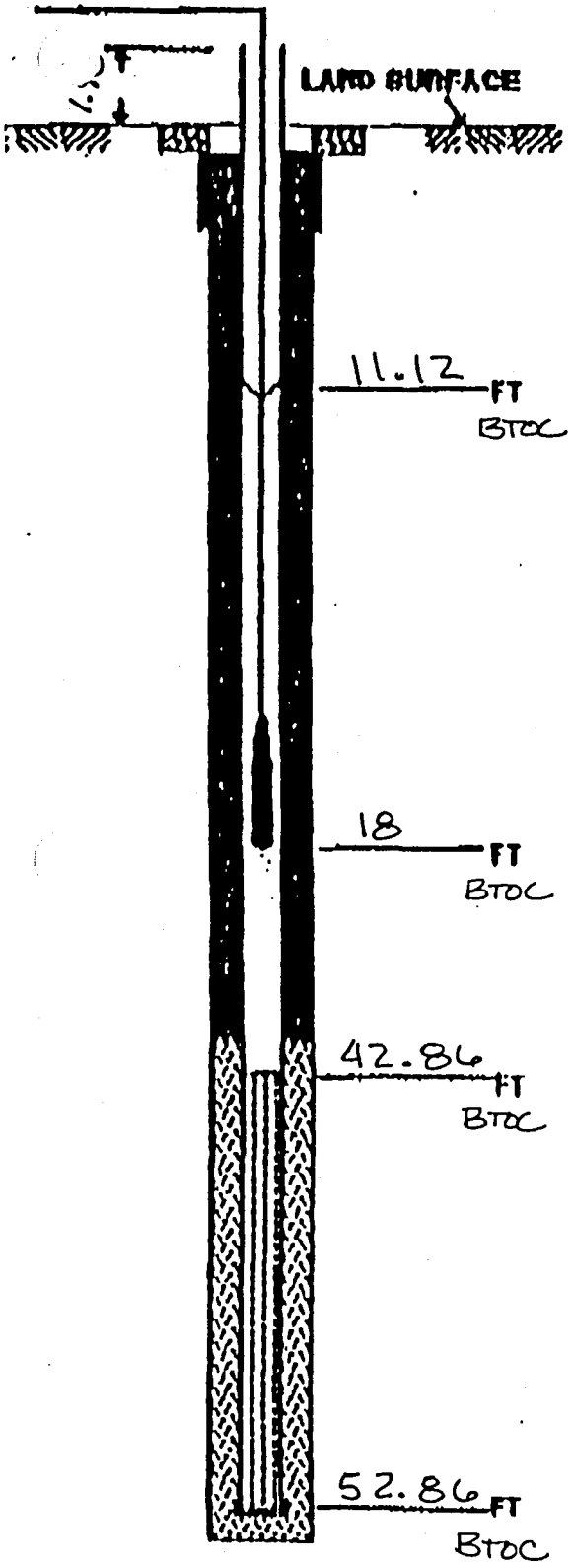
CEF-7-9I RUN 3
(CON'T) PAGE 2
Step 0 05/12 14:26:27

Elapsed Time	INPUT 1
0.4666	0.665
0.4833	0.646
0.5000	0.627
0.5166	0.609
0.5333	0.590
0.5500	0.574
0.5666	0.558
0.5833	0.540
0.6000	0.524
0.6166	0.511
0.6333	0.499
0.6500	0.483
0.6666	0.471
0.6833	0.458
0.7000	0.445
0.7166	0.433
0.7333	0.420
0.7500	0.411
0.7666	0.401
0.7833	0.389
0.8000	0.379
0.8166	0.370
0.8333	0.361
0.8500	0.354
0.8666	0.345
0.8833	0.335
0.9000	0.329
0.9166	0.320
0.9333	0.310
0.9500	0.307
0.9666	0.298
0.9833	0.292
1.0000	0.282
1.2000	0.200
1.4000	0.156
1.6000	0.122
1.8000	0.103
2.0000	0.087
2.2000	0.081
2.4000	0.075
2.6000	0.075
2.8000	0.072
3.0000	0.069
3.2000	0.069
3.4000	0.062
3.6000	0.065
3.8000	0.053
4.0000	0.047
4.2000	0.040
4.4000	0.031
4.6000	0.022
4.8000	0.009
5.0000	0.000
5.2000	-0.006
5.4000	-0.009
5.6000	-0.009
5.8000	-0.012
6.0000	-0.018
6.2000	-0.021
6.4000	-0.025
6.6000	-0.028
6.8000	-0.028
7.0000	-0.031

CEF-7-9I RUN 3
(CON'T) PAGE 2
Step 0 05/12 14:26:27

Elapsed Time	INPUT 1
7.2000	-0.034
7.4000	-0.037
7.6000	-0.040
7.8000	-0.053
8.0000	-0.059
8.2000	-0.062
8.4000	-0.069
8.6000	-0.075
8.8000	-0.078
9.0000	-0.084
9.2000	-0.091
9.4000	-0.097
9.6000	-0.103
9.8000	-0.109
10.0000	-0.119

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-9I PUMPING WELL ____

DATE 5-12-95 TIME 13:59

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 SEL 6; R2 10 SEL 7; R3 10 SEL 8

TIME OF INSTALLATION 13:59

STATIC DEPTH TO WATER 11.12 FT. ____ PSI

DEPTH OF TRANSDUCER 18' B.T.O.C.

CALIBRATION
DEPTH 13 FT 1.84 PSI
DEPTH 14 FT 2.87 PSI
DEPTH 15 FT 3.94 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 11.12

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

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AQTESOLV RESULTS

Version 1.10

05/12/95 11:49:52

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TEST DESCRIPTION

Data set........... cf710s2.set
Data set title..... CEF-7-10S RUN 2

Knowns and Constants:
No. of data points.................. 120
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 11.78
Log(Re/Rw).......................... 2.384
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	4.1804E-003
y0 =	2.3903E-299

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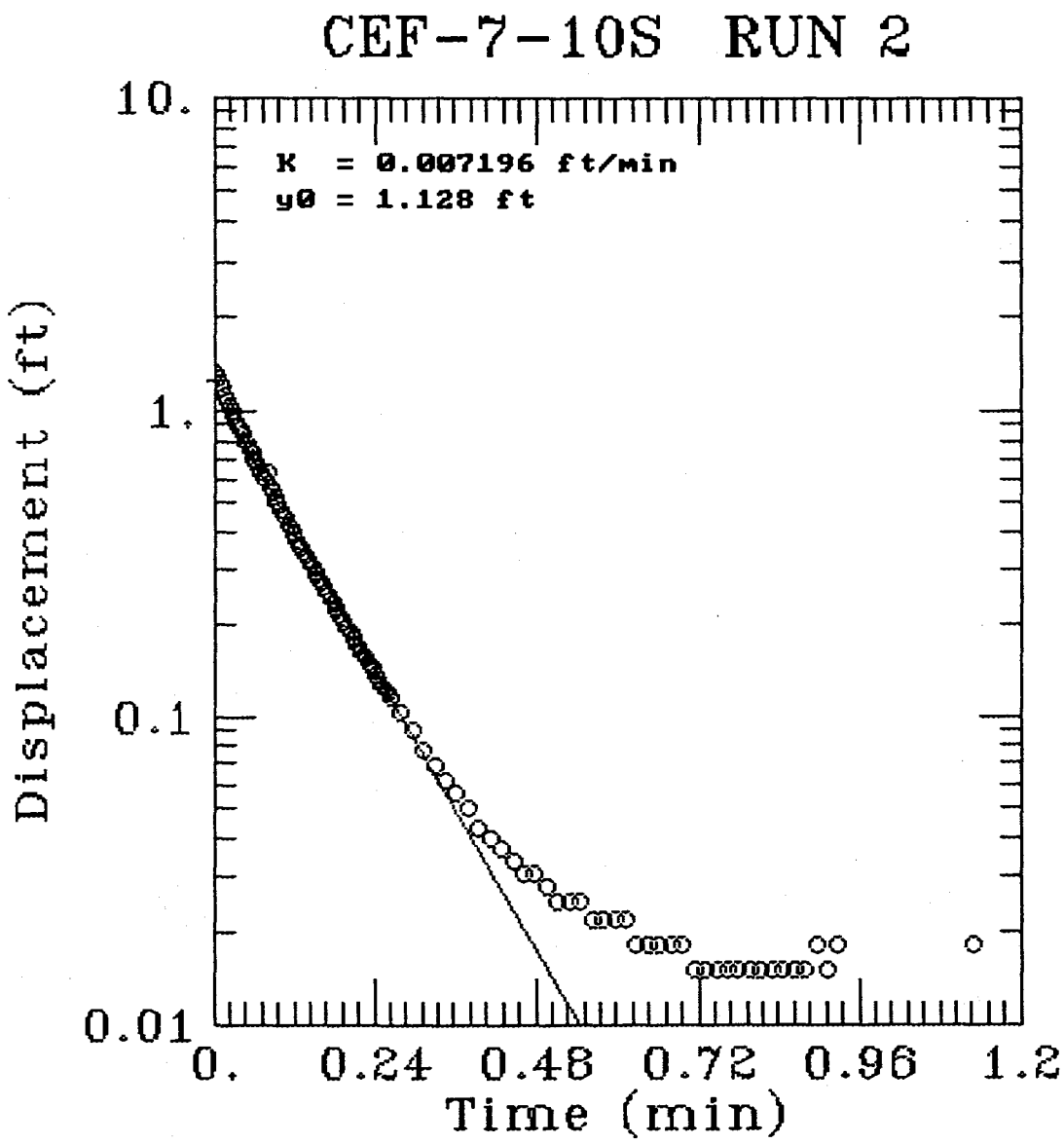
TYPE CURVE DATA

K = 7.19606E-003
y0 = 1.12791E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.128E+000	1.200E+000	3.291E-005


CEF-7-10S RUN 2
K = 0.007196 ft/min
y0 = 1.128 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.24
0.48
0.72
0.96
1.2
Time (min)

SE1000C
Environmental Logger
05/10 17:17

Unit# 00008 Test 7

Setups: INPUT 1

Type Level (F)
Mode TOC
I.D. 15868

Reference 0.000
Linearity 0.050
Scale factor 9.990
Offset 0.020
Delay mSEC 50.000

CEF-7-10S RUN 2

Step 0 05/10 15:46:12

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.000
0.0133	0.075
0.0166	-0.179
0.0200	0.119
0.0233	-0.021
0.0266	0.009
0.0300	0.405
0.0333	0.706
0.0366	0.647
0.0400	0.662
0.0433	0.518
0.0466	0.398
0.0500	0.665
0.0533	0.599
0.0566	0.791
0.0600	0.898
0.0633	1.124
0.0666	1.287
0.0700	1.318
0.0733	1.309
0.0766	1.271
0.0800	1.231
0.0833	1.180
0.0866	1.124
0.0900	1.077
0.0933	1.039
0.0966	0.992
0.1000	0.961
0.1033	0.926
0.1066	0.891
0.1100	0.863
0.1133	0.832
0.1166	0.800
0.1200	0.775
0.1233	0.750
0.1266	0.728
0.1300	0.700
0.1333	0.675
0.1366	0.653
0.1400	0.634
0.1433	0.612
0.1466	0.593

CEF-7-10S RUN 2

Step 0 05/10 15:46:12

Elapsed Time	INPUT 1
0.1500	0.634
0.1533	0.562
0.1566	0.540
0.1600	0.527
0.1633	0.502
0.1666	0.490
0.1700	0.474
0.1733	0.461
0.1766	0.446
0.1800	0.427
0.1833	0.417
0.1866	0.405
0.1900	0.395
0.1933	0.380
0.1966	0.367
0.2000	0.358
0.2033	0.345
0.2066	0.339
0.2100	0.326
0.2133	0.317
0.2166	0.307
0.2200	0.298
0.2233	0.289
0.2266	0.279
0.2300	0.273
0.2333	0.263
0.2366	0.257
0.2400	0.251
0.2433	0.241
0.2466	0.235
0.2500	0.229
0.2533	0.223
0.2566	0.216
0.2600	0.210
0.2633	0.204
0.2666	0.197
0.2700	0.194
0.2733	0.188
0.2766	0.182
0.2800	0.179
0.2833	0.172
0.2866	0.169
0.2900	0.163
0.2933	0.160
0.2966	0.157
0.3000	0.150
0.3033	0.147
0.3066	0.144
0.3100	0.141
0.3133	0.138
0.3166	0.131
0.3200	0.128
0.3233	0.125
0.3266	0.122
0.3300	0.119
0.3333	0.116
0.3500	0.103
0.3666	0.091
0.3833	0.078
0.4000	0.069
0.4166	0.062
0.4333	0.056
0.4500	0.050

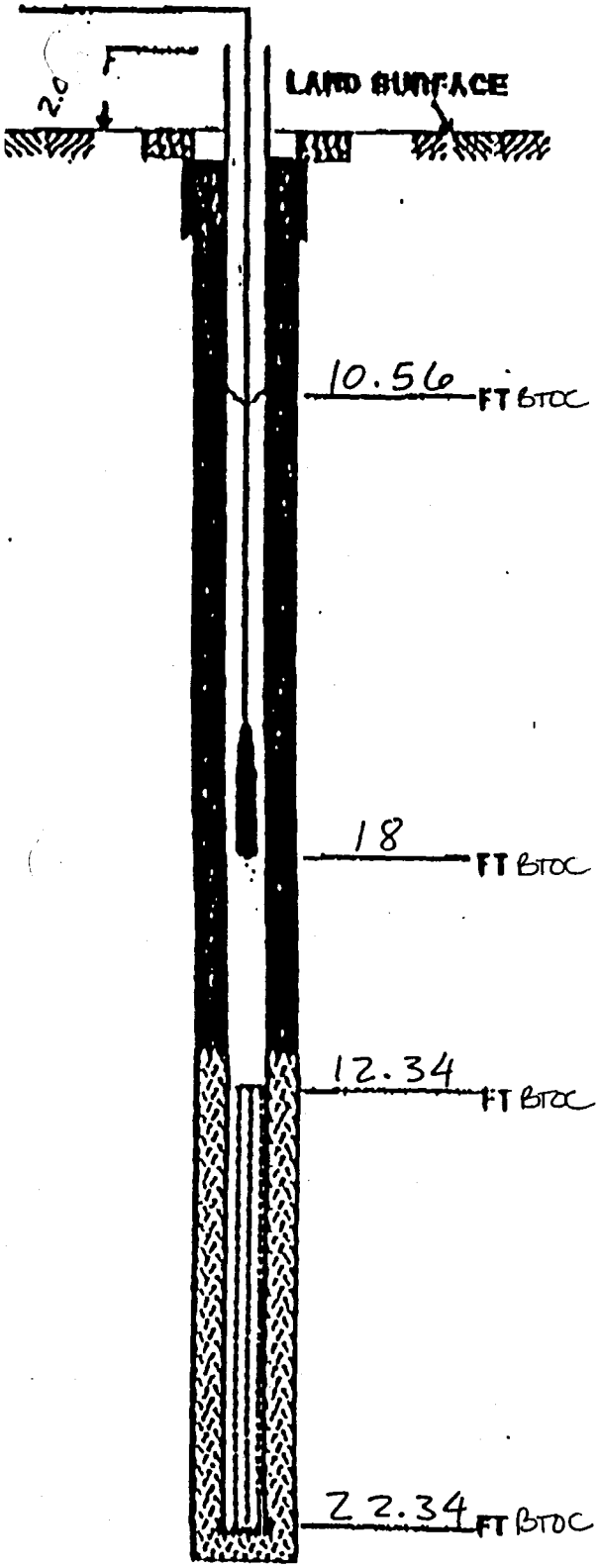
CEF-7-10S RUN 2
(CON'T) PAGE 2
Step 0 05/10 15:46:12

Elapsed Time	INPUT 1
0.4666	0.043
0.4833	0.040
0.5000	0.037
0.5166	0.034
0.5333	0.031
0.5500	0.031
0.5666	0.028
0.5833	0.025
0.6000	0.025
0.6166	0.025
0.6333	0.022
0.6500	0.022
0.6666	0.022
0.6833	0.022
0.7000	0.018
0.7166	0.018
0.7333	0.018
0.7500	0.018
0.7666	0.018
0.7833	0.015
0.8000	0.015
0.8166	0.015
0.8333	0.015
0.8500	0.015
0.8666	0.015
0.8833	0.015
0.9000	0.015
0.9166	0.015
0.9333	0.015
0.9500	0.015
0.9666	0.018
0.9833	0.015
1.0000	0.018
1.2000	0.018
1.4000	0.018
1.6000	0.018
1.8000	0.018
2.0000	0.022
2.2000	0.022
2.4000	0.022
2.6000	0.022
2.8000	0.022
3.0000	0.025
3.2000	0.022
3.4000	0.022
3.6000	0.018
3.8000	0.015
4.0000	0.012
4.2000	0.012
4.4000	0.009
4.6000	0.009
4.8000	0.006
5.0000	0.003
5.2000	0.003
5.4000	0.000
5.6000	-0.003
5.8000	-0.003
6.0000	-0.006
6.2000	-0.009
6.4000	-0.012
6.6000	-0.012
6.8000	-0.012
7.0000	-0.015

CEF-7-10S RUN 2
(CON'T) PAGE 2
Step 0 05/10 15:46:12

Elapsed Time	INPUT 1
7.2000	-0.015
7.4000	-0.012
7.6000	-0.012
7.8000	-0.012
8.0000	-0.012
8.2000	-0.012
8.4000	-0.012
8.6000	-0.012
8.8000	-0.012
9.0000	-0.015
9.2000	-0.015
9.4000	-0.018
9.6000	-0.021
9.8000	-0.021
10.0000	-0.025

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-10S PUMPING WELL ____

DATE 5-10-95 TIME 1536

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL6 SEL7 SEL8

TIME OF INSTALLATION ____

STATIC DEPTH TO WATER 10.56 FT. ____ PSI

DEPTH OF TRANSDUCER 18'

CALIBRATION
DEPTH 12 FT 1.40 PSI
DEPTH 13 FT 2.45 PSI
DEPTH 14 FT 3.50 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 10.56

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

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

AQTESOLV RESULTS

Version 1.10

05/18/95 08:24:47

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TEST DESCRIPTION

Data set........... cf711d1.set
Data set title..... CEF-7-11D RUN 1

Knowns and Constants:
No. of data points.................. 322
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 98
Well screen length.................. 10
Static height of water in well...... 88.22
Log(Re/Rw).......................... 3.361
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	2.7642E-004
y0 =	0.0000E+000

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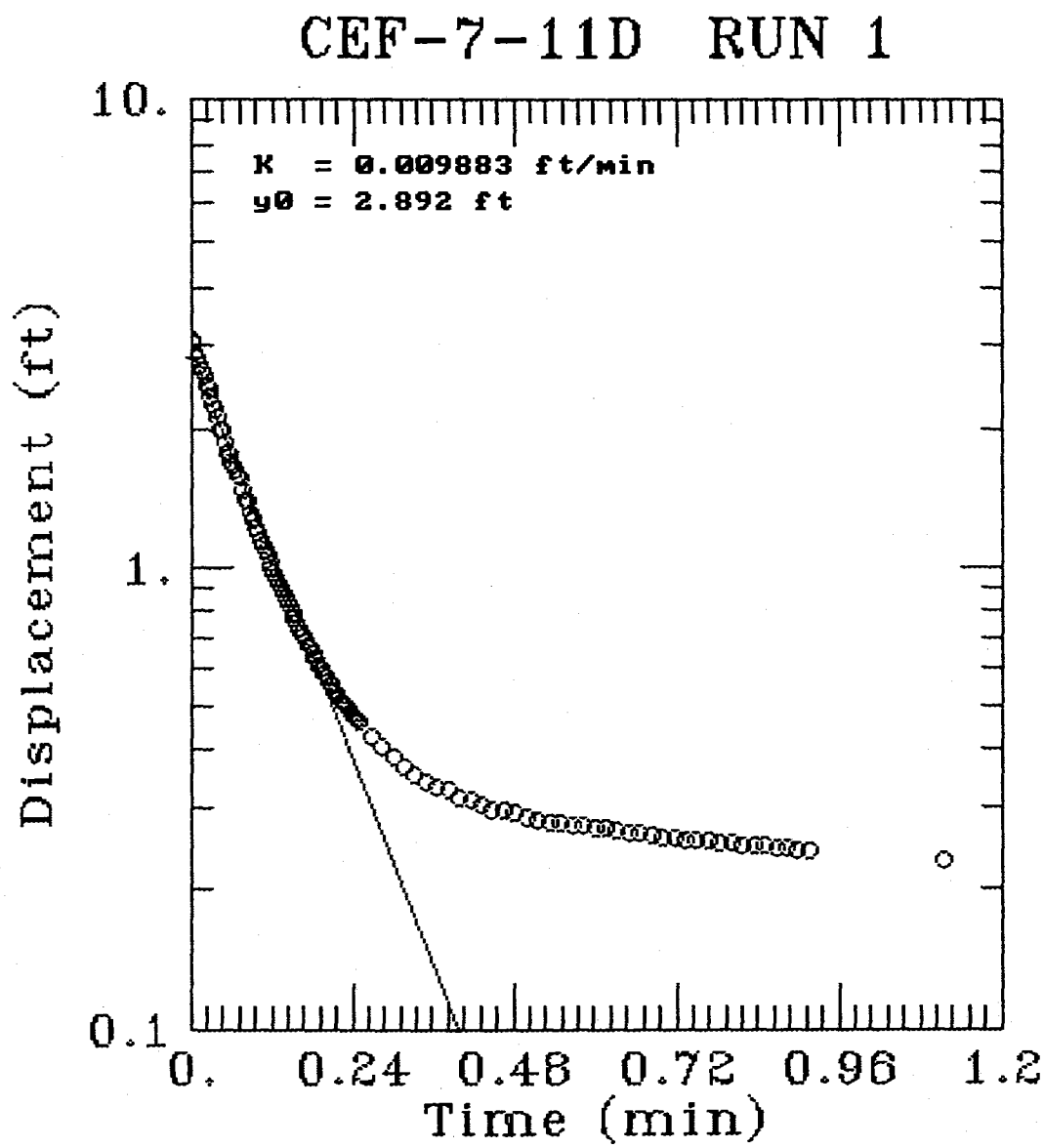
TYPE CURVE DATA

K = 9.88298E-003
y0 = 2.89200E+000

Time	Drawdown	Time	Drawdown
0.000E+000	2.892E+000	1.200E+000	1.106E-004


CEF-7-11D RUN 1
K = 0.009883 ft/min
y0 = 2.892 ft
10.
1.
0.1
Displacement (ft)
0.
0.24
0.48
0.72
0.96
1.2
Time (min)

SE1000C
Environmental Logger
05/16 14:54

Unit# 00008 Test 3

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-11D RUN 1

Step 0 05/16 11:20:32

Elapsed Time	INPUT 1
0.0000	0.214
0.0033	0.217
0.0066	0.220
0.0100	2.054
0.0133	3.755
0.0166	4.492
0.0200	2.669
0.0233	3.412
0.0266	2.448
0.0300	1.774
0.0333	2.719
0.0366	1.629
0.0400	1.900
0.0433	1.799
0.0466	2.152
0.0500	2.247
0.0533	3.128
0.0566	2.325
0.0600	2.313
0.0633	2.927
0.0666	2.883
0.0700	2.946
0.0733	3.021
0.0766	2.999
0.0800	3.242
0.0833	3.078
0.0866	3.072
0.0900	2.911
0.0933	2.832
0.0966	2.719
0.1000	2.672
0.1033	2.587
0.1066	2.461
0.1100	2.429
0.1133	2.341
0.1166	2.253
0.1200	1.796
0.1233	2.436
0.1266	1.620
0.1300	2.139
0.1333	1.774
0.1366	1.872
0.1400	1.746
0.1433	1.680
0.1466	1.661

CEF-7-11D RUN 1

Step 0 05/16 11:20:32

Elapsed Time	INPUT 1
0.1500	1.617
0.1533	1.595
0.1566	1.573
0.1600	1.472
0.1633	1.402
0.1666	1.418
0.1700	1.311
0.1733	1.276
0.1766	1.264
0.1800	1.223
0.1833	1.182
0.1866	1.147
0.1900	1.112
0.1933	1.084
0.1966	1.056
0.2000	1.027
0.2033	0.999
0.2066	0.974
0.2100	0.945
0.2133	0.920
0.2166	0.895
0.2200	0.873
0.2233	0.851
0.2266	0.832
0.2300	0.810
0.2333	0.791
0.2366	0.772
0.2400	0.756
0.2433	0.737
0.2466	0.721
0.2500	0.706
0.2533	0.690
0.2566	0.674
0.2600	0.662
0.2633	0.646
0.2666	0.636
0.2700	0.624
0.2733	0.611
0.2766	0.598
0.2800	0.586
0.2833	0.576
0.2866	0.567
0.2900	0.558
0.2933	0.548
0.2966	0.539
0.3000	0.529
0.3033	0.520
0.3066	0.513
0.3100	0.504
0.3133	0.498
0.3166	0.491
0.3200	0.482
0.3233	0.479
0.3266	0.473
0.3300	0.466
0.3333	0.460
0.3500	0.428
0.3666	0.406
0.3833	0.387
0.4000	0.368
0.4166	0.356
0.4333	0.343
0.4500	0.334

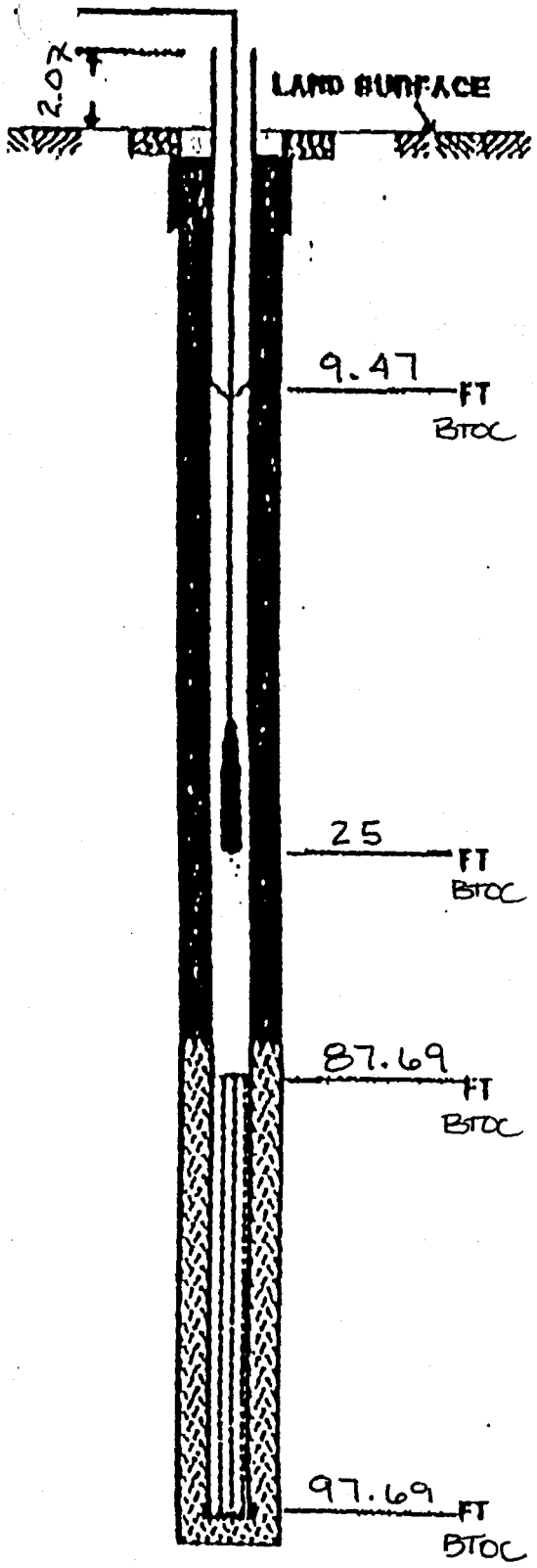
CEF-7-11D RUN 1
(CON'T) PAGE 2
Step 0 05/16 11:20:32

Elapsed Time	INPUT 1
0.4666	0.327
0.4833	0.318
0.5000	0.312
0.5166	0.305
0.5333	0.299
0.5500	0.296
0.5666	0.293
0.5833	0.286
0.6000	0.283
0.6166	0.280
0.6333	0.280
0.6500	0.277
0.6666	0.274
0.6833	0.271
0.7000	0.271
0.7166	0.268
0.7333	0.264
0.7500	0.264
0.7666	0.261
0.7833	0.258
0.8000	0.258
0.8166	0.255
0.8333	0.255
0.8500	0.255
0.8666	0.252
0.8833	0.252
0.9000	0.249
0.9166	0.249
0.9333	0.249
0.9500	0.246
0.9666	0.246
0.9833	0.242
1.0000	0.242
1.2000	0.230
1.4000	0.220
1.6000	0.211
1.8000	0.208
2.0000	0.201
2.2000	0.198
2.4000	0.198
2.6000	0.195
2.8000	0.192
3.0000	0.189
3.2000	0.189
3.4000	0.186
3.6000	0.186
3.8000	0.182
4.0000	0.176
4.2000	0.173
4.4000	0.170
4.6000	0.170
4.8000	0.167
5.0000	0.167
5.2000	0.160
5.4000	0.154
5.6000	0.154
5.8000	0.154
6.0000	0.151
6.2000	0.148
6.4000	0.151
6.6000	0.148
6.8000	0.145
7.0000	0.145

CEF-7-11D RUN 1
(CON'T) PAGE 2
Step 0 05/16 11:20:32

Elapsed Time	INPUT 1
7.2000	0.141
7.4000	0.141
7.6000	0.138
7.8000	0.138
8.0000	0.135
8.2000	0.135
8.4000	0.132
8.6000	0.132
8.8000	0.132
9.0000	0.129
9.2000	0.126
9.4000	0.123
9.6000	0.119
9.8000	0.116
10.0000	0.116

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-11D PUMPING WELL ____

DATE 5-16-95 TIME 11:24

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 3	Step 1	Step 2

TIME OF INSTALLATION 11:24

STATIC DEPTH TO WATER 9.47 FT. ____ PSI

DEPTH OF TRANSDUCER 25' B.T.O.C.

CALIBRATION
DEPTH 15' FT 5.14 PSI
DEPTH 16' FT 6.19 PSI
DEPTH 17' FT 7.22 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.47' B.T.O.C.

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

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AQTESOLV RESULTS
Version 1.10

05/16/95 12:06:30

==

TEST DESCRIPTION

Data set........... cf712s1.set
Data set title..... CEF-7-12S RUN 1

Knowns and Constants:
No. of data points.................. 131
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 12.32
Log(Re/Rw).......................... 2.403
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

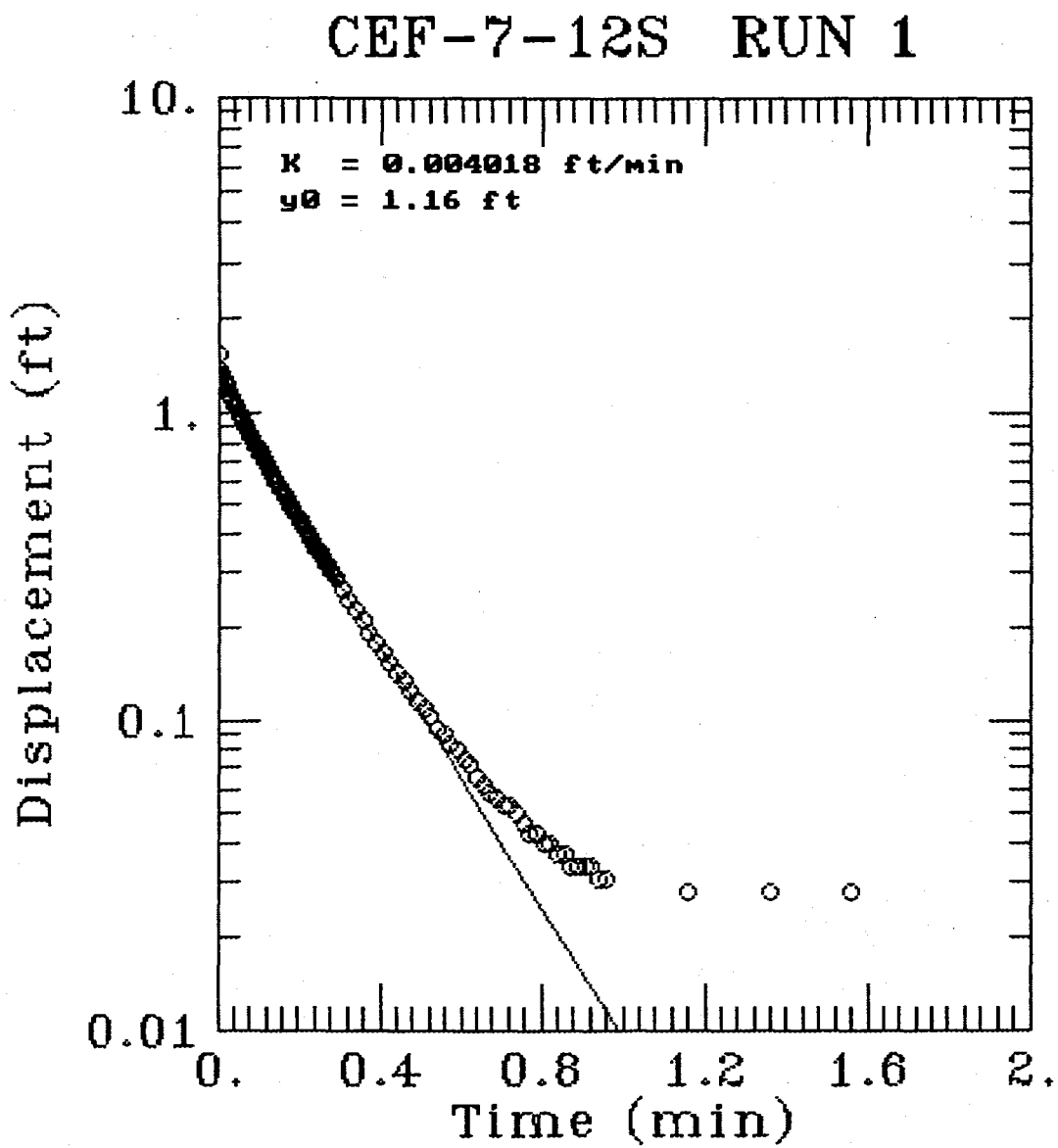
Estimate
K = 3.0417E-003
y0 = -2.5244E-183

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

TYPE CURVE DATA

K = 4.01813E-003
y0 = 1.15959E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.160E+000	2.000E+000	7.546E-005


CEF-7-12S RUN 1
K = 0.004018 ft/min
y0 = 1.16 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/12 14:59

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-12S RUN 1

Step 0 05/12 11:58:20

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	-0.003
0.0066	0.000
0.0100	-0.003
0.0133	0.113
0.0166	1.151
0.0200	1.415
0.0233	1.195
0.0266	0.979
0.0300	0.913
0.0333	1.092
0.0366	0.954
0.0400	1.114
0.0433	1.525
0.0466	1.374
0.0500	1.315
0.0533	1.296
0.0566	1.277
0.0600	1.242
0.0633	1.214
0.0666	1.192
0.0700	1.164
0.0733	1.139
0.0766	1.114
0.0800	1.092
0.0833	1.067
0.0866	1.048
0.0900	1.026
0.0933	1.001
0.0966	0.982
0.1000	0.963
0.1033	0.947
0.1066	0.929
0.1100	0.910
0.1133	0.894
0.1166	0.875
0.1200	0.860
0.1233	0.841
0.1266	0.828
0.1300	0.812
0.1333	0.797
0.1366	0.784
0.1400	0.769
0.1433	0.756
0.1466	0.740

CEF-7-12S RUN 1

Step 0 05/12 11:58:20

Elapsed Time	INPUT 1
0.1500	0.728
0.1533	0.715
0.1566	0.703
0.1600	0.690
0.1633	0.678
0.1666	0.665
0.1700	0.656
0.1733	0.643
0.1766	0.630
0.1800	0.621
0.1833	0.608
0.1866	0.599
0.1900	0.587
0.1933	0.577
0.1966	0.568
0.2000	0.558
0.2033	0.549
0.2066	0.539
0.2100	0.530
0.2133	0.521
0.2166	0.511
0.2200	0.502
0.2233	0.496
0.2266	0.486
0.2300	0.477
0.2333	0.470
0.2366	0.464
0.2400	0.455
0.2433	0.448
0.2466	0.439
0.2500	0.436
0.2533	0.426
0.2566	0.420
0.2600	0.414
0.2633	0.408
0.2666	0.398
0.2700	0.392
0.2733	0.386
0.2766	0.379
0.2800	0.373
0.2833	0.367
0.2866	0.361
0.2900	0.357
0.2933	0.351
0.2966	0.345
0.3000	0.339
0.3033	0.335
0.3066	0.329
0.3100	0.323
0.3133	0.320
0.3166	0.313
0.3200	0.307
0.3233	0.304
0.3266	0.298
0.3300	0.295
0.3333	0.291
0.3500	0.266
0.3666	0.244
0.3833	0.226
0.4000	0.210
0.4166	0.191
0.4333	0.178
0.4500	0.166

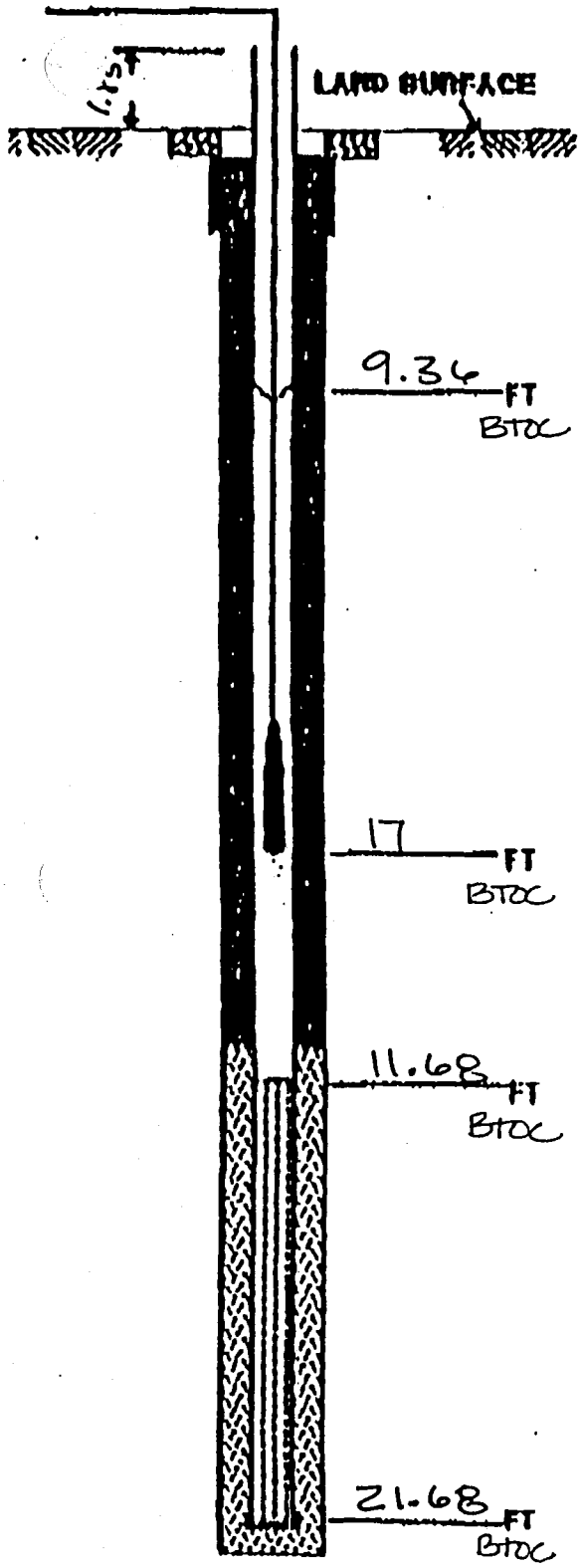
CEF-7-12S RUN 1
(CON'T) PAGE 2
Step 0 05/12 11:58:20

Elapsed Time	INPUT 1
0.4666	0.153
0.4833	0.141
0.5000	0.134
0.5166	0.125
0.5333	0.116
0.5500	0.109
0.5666	0.103
0.5833	0.094
0.6000	0.091
0.6166	0.084
0.6333	0.081
0.6500	0.075
0.6666	0.072
0.6833	0.065
0.7000	0.062
0.7166	0.059
0.7333	0.056
0.7500	0.053
0.7666	0.053
0.7833	0.050
0.8000	0.047
0.8166	0.043
0.8333	0.043
0.8500	0.040
0.8666	0.040
0.8833	0.037
0.9000	0.037
0.9166	0.034
0.9333	0.034
0.9500	0.034
0.9666	0.034
0.9833	0.031
1.0000	0.031
1.2000	0.028
1.4000	0.028
1.6000	0.028
1.8000	0.031
2.0000	0.034
2.2000	0.037
2.4000	0.040
2.6000	0.047
2.8000	0.050
3.0000	0.053
3.2000	0.056
3.4000	0.059
3.6000	0.065
3.8000	0.069
4.0000	0.065
4.2000	0.062
4.4000	0.062
4.6000	0.059
4.8000	0.056
5.0000	0.056
5.2000	0.059
5.4000	0.059
5.6000	0.059
5.8000	0.062
6.0000	0.062
6.2000	0.065
6.4000	0.062
6.6000	0.062
6.8000	0.062
7.0000	0.062

CEF-7-12S RUN 1
(CON'T) PAGE 2
Step 0 05/12 11:58:20

Elapsed Time	INPUT 1
7.2000	0.062
7.4000	0.056
7.6000	0.056
7.8000	0.056
8.0000	0.050
8.2000	0.047
8.4000	0.047
8.6000	0.047
8.8000	0.050
9.0000	0.050
9.2000	0.047
9.4000	0.053
9.6000	0.053
9.8000	0.059
10.0000	0.059

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-12S PUMPING WELL ____

DATE 5-12-95 TIME 12:02

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 SEL 0 / R2 10 SEL 1 / R3 10 SEL 2

TIME OF INSTALLATION 12:02

STATIC DEPTH TO WATER 9.36 FT. ____ PSI

DEPTH OF TRANSDUCER 17' B.T.O.C.

CALIBRATION

DEPTH 13 FT 2.61 PSI

DEPTH 14 FT 3.62 PSI

DEPTH 15 FT 4.63 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.36 B.T.O.C.

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

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

Version 1.10

05/17/95   13:47:06

= =

TEST DESCRIPTION

Data set........... cf713s1.set
Data set title..... CEF-7-13S RUN 1

Knowns and Constants:
No. of data points.................. 174
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 5.25
Log(Re/Rw).......................... 2.015
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	1.8970E-004
y0 =	2.9803E-267

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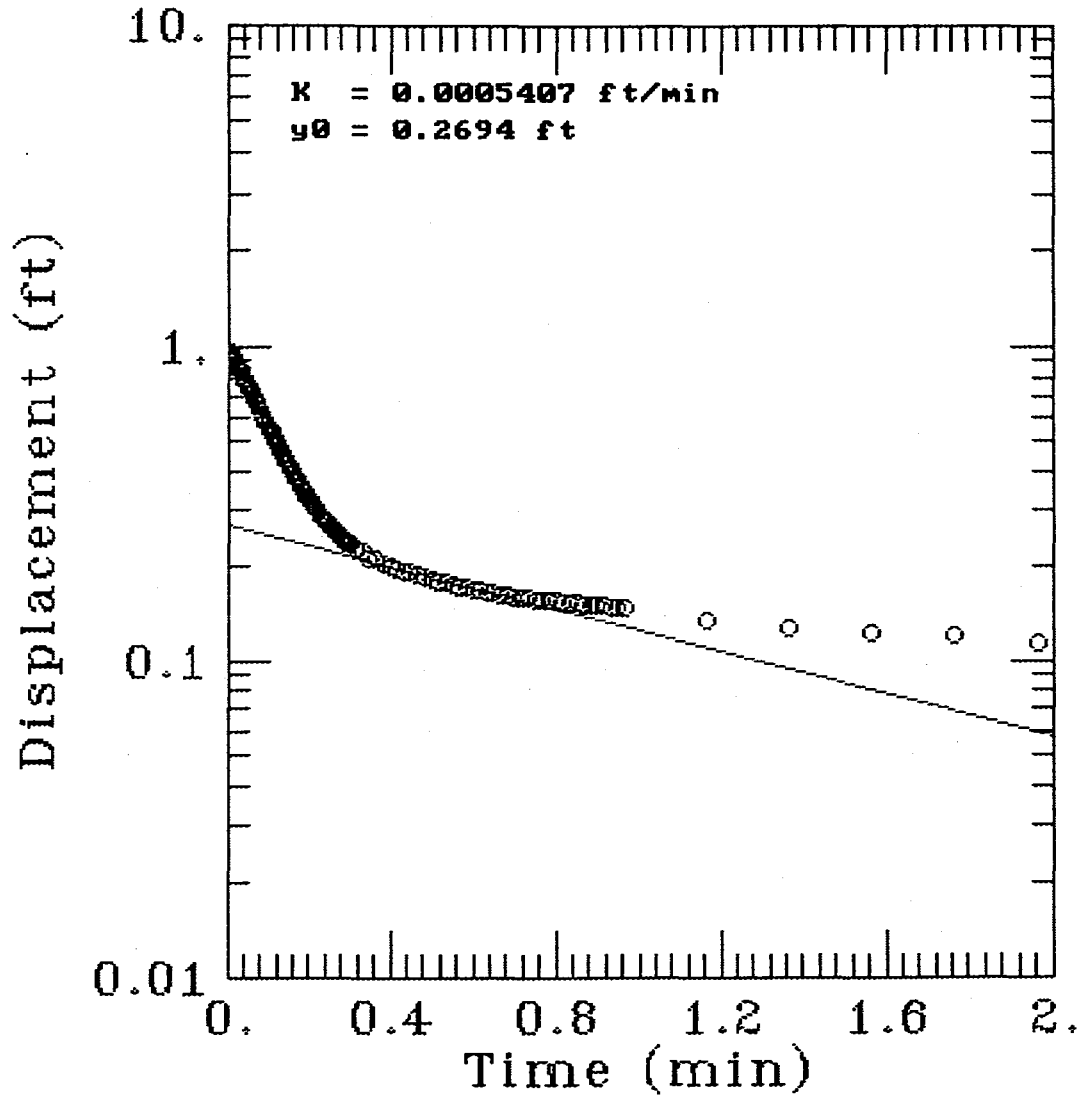
TYPE CURVE DATA

K = 5.40687E-004
y0 = 2.69399E-001

Time	Drawdown	Time	Drawdown
0.000E+000	2.694E-001	2.000E+000	5.738E-002

CEF-7-13S RUN 1



SE1000C
Environmental Logger
05/11 13:31

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-13S RUN 1

Step 0 05/11 11:19:03

Elapsed Time	INPUT 1
0.0000	0.605
0.0033	0.605
0.0066	0.605
0.0100	0.605
0.0133	0.605
0.0166	0.605
0.0200	0.802
0.0233	1.222
0.0266	1.385
0.0300	1.398
0.0333	1.787
0.0366	1.439
0.0400	1.561
0.0433	1.545
0.0466	1.520
0.0500	1.517
0.0533	1.486
0.0566	1.473
0.0600	1.461
0.0633	1.439
0.0666	1.436
0.0700	1.414
0.0733	1.398
0.0766	1.382
0.0800	1.364
0.0833	1.351
0.0866	1.342
0.0900	1.323
0.0933	1.310
0.0966	1.298
0.1000	1.282
0.1033	1.269
0.1066	1.257
0.1100	1.241
0.1133	1.235
0.1166	1.216
0.1200	1.207
0.1233	1.194
0.1266	1.185
0.1300	1.172
0.1333	1.160
0.1366	1.144
0.1400	1.144
0.1433	1.128
0.1466	1.119

CEF-7-13S RUN 1

Step 0 05/11 11:19:03

Elapsed Time	INPUT 1
0.1500	1.113
0.1533	1.097
0.1566	1.091
0.1600	1.078
0.1633	1.072
0.1666	1.063
0.1700	1.053
0.1733	1.044
0.1766	1.038
0.1800	1.028
0.1833	1.022
0.1866	1.016
0.1900	1.006
0.1933	1.000
0.1966	0.994
0.2000	0.987
0.2033	0.981
0.2066	0.975
0.2100	0.969
0.2133	0.962
0.2166	0.956
0.2200	0.950
0.2233	0.947
0.2266	0.940
0.2300	0.934
0.2333	0.931
0.2366	0.925
0.2400	0.921
0.2433	0.915
0.2466	0.912
0.2500	0.909
0.2533	0.903
0.2566	0.900
0.2600	0.896
0.2633	0.893
0.2666	0.890
0.2700	0.887
0.2733	0.884
0.2766	0.881
0.2800	0.878
0.2833	0.874
0.2866	0.871
0.2900	0.868
0.2933	0.865
0.2966	0.862
0.3000	0.862
0.3033	0.859
0.3066	0.856
0.3100	0.853
0.3133	0.853
0.3166	0.849
0.3200	0.849
0.3233	0.846
0.3266	0.843
0.3300	0.843
0.3333	0.840
0.3500	0.834
0.3666	0.827
0.3833	0.818
0.4000	0.815
0.4166	0.809
0.4333	0.805
0.4500	0.802

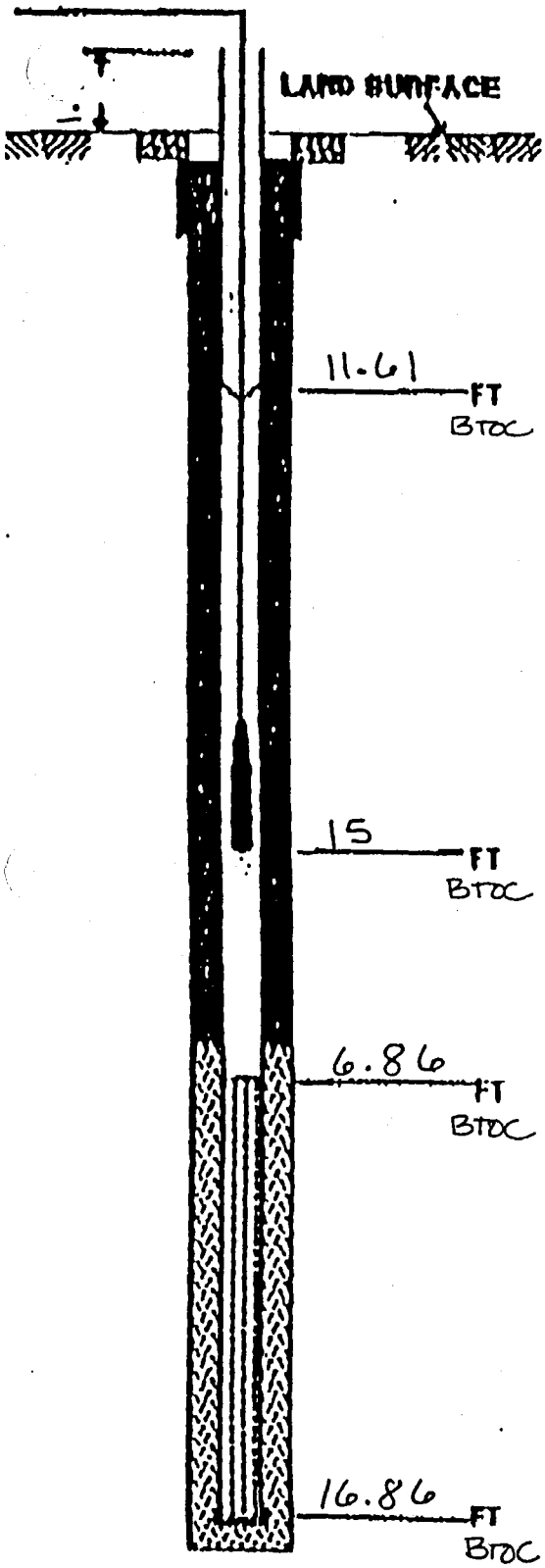
CEF-7-13S RUN 1
(CON'T) PAGE 2
Step 0 05/11 11:19:03

Elapsed Time	INPUT 1
0.4666	0.796
0.4833	0.796
0.5000	0.793
0.5166	0.790
0.5333	0.787
0.5500	0.784
0.5666	0.784
0.5833	0.780
0.6000	0.777
0.6166	0.777
0.6333	0.774
0.6500	0.774
0.6666	0.771
0.6833	0.771
0.7000	0.768
0.7166	0.768
0.7333	0.765
0.7500	0.765
0.7666	0.765
0.7833	0.762
0.8000	0.762
0.8166	0.762
0.8333	0.762
0.8500	0.758
0.8666	0.758
0.8833	0.758
0.9000	0.755
0.9166	0.755
0.9333	0.755
0.9500	0.755
0.9666	0.752
0.9833	0.752
1.0000	0.752
1.2000	0.740
1.4000	0.733
1.6000	0.727
1.8000	0.724
2.0000	0.718
2.2000	0.715
2.4000	0.715
2.6000	0.711
2.8000	0.711
3.0000	0.705
3.2000	0.702
3.4000	0.699
3.6000	0.699
3.8000	0.696
4.0000	0.693
4.2000	0.689
4.4000	0.686
4.6000	0.683
4.8000	0.683
5.0000	0.683
5.2000	0.680
5.4000	0.680
5.6000	0.677
5.8000	0.677
6.0000	0.677
6.2000	0.674
6.4000	0.674
6.6000	0.671
6.8000	0.671
7.0000	0.668

CEF-7-13S RUN 1
(CON'T) PAGE 2
Step 0 05/11 11:19:03

Elapsed Time	INPUT 1
7.2000	0.664
7.4000	0.661
7.6000	0.661
7.8000	0.661
8.0000	0.661
8.2000	0.661
8.4000	0.658
8.6000	0.655
8.8000	0.649
9.0000	0.646
9.2000	0.642
9.4000	0.639
9.6000	0.636
9.8000	0.630
10.0000	0.624
12.0000	0.382
14.0000	0.357
16.0000	0.301

TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-13S PUMPING WELL ____

DATE 5-11-95 TIME 11:22

DATALOGGER SERIAL NO. 1Kc01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL 1 Step 0 Step 3 Step 4

TIME OF INSTALLATION 11:22

STATIC DEPTH TO WATER 11.61 FT. ____ PSI

DEPTH OF TRANSDUCER 15'

CALIBRATION
DEPTH 13 FT 1.35 PSI
DEPTH 14 FT 2.39 PSI
DEPTH 15 FT 3.44 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 11.61

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

05/12/95 13:44:13

==

TEST DESCRIPTION

Data set........... cf714i3.set
Data set title..... CEF-7-14I RUN 3

Knowns and Constants:
No. of data points.................. 136
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 40.47
Log(Re/Rw).......................... 2.894
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

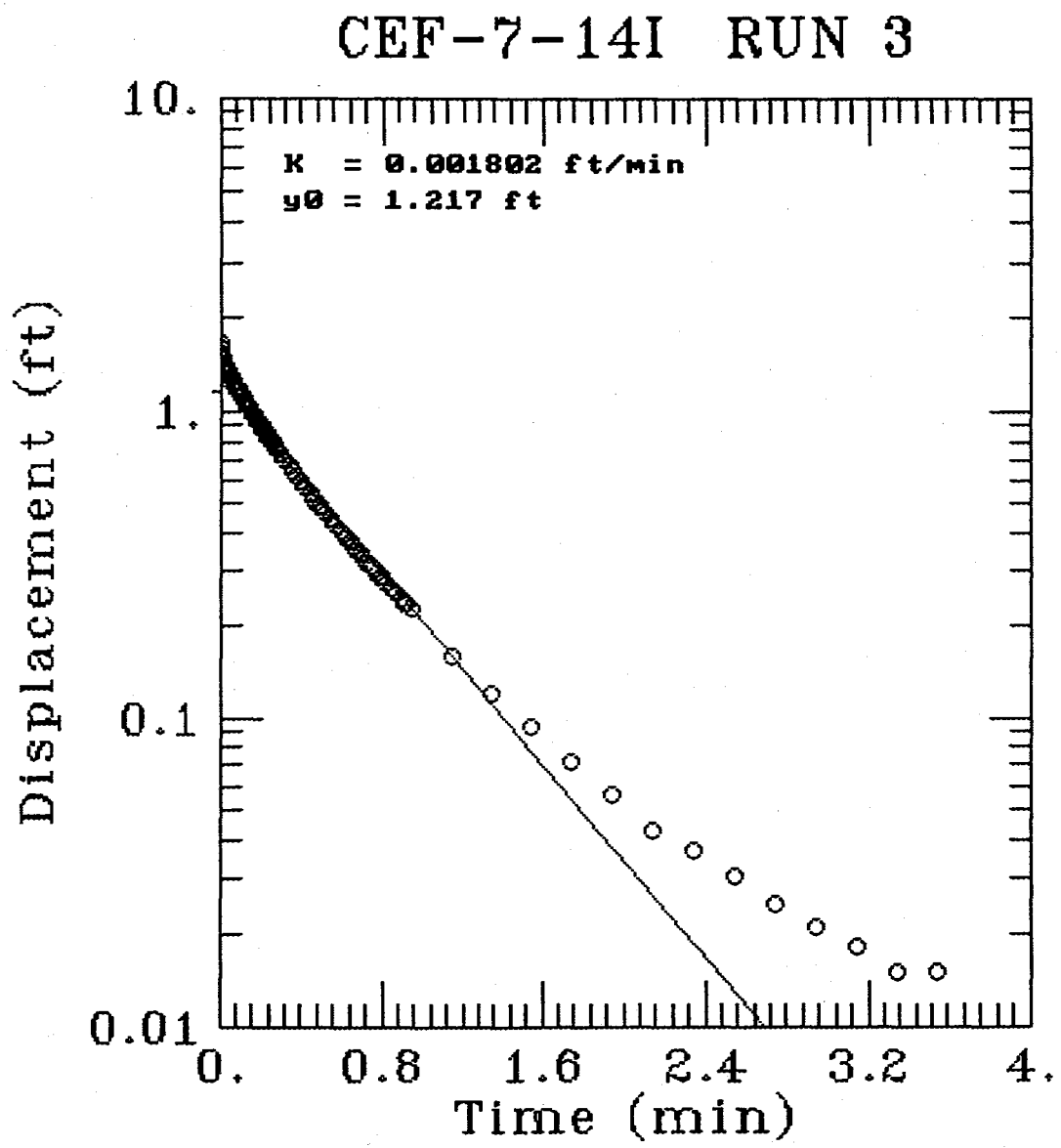
	Estimate
K =	1.4716E-003
y0 =	0.0000E+000

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

TYPE CURVE DATA

K = 1.94555E-003
y0 = 1.32396E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.324E+000	4.000E+000	5.700E-004


CEF-7-14I RUN 3
K = 0.001802 ft/min
y0 = 1.217 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.8
1.6
2.4
3.2
4.
Time (min)

SE1000C
Environmental Logger
05/11 13:28

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-14I RUN 3

Step 2 05/11 10:50:12

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.000
0.0133	0.000
0.0166	0.000
0.0200	0.000
0.0233	0.671
0.0266	0.558
0.0300	0.816
0.0333	0.178
0.0366	0.837
0.0400	0.690
0.0433	0.831
0.0466	1.057
0.0500	1.308
0.0533	1.449
0.0566	1.622
0.0600	1.666
0.0633	1.600
0.0666	1.534
0.0700	1.518
0.0733	1.484
0.0766	1.474
0.0800	1.434
0.0833	1.424
0.0866	1.408
0.0900	1.396
0.0933	1.374
0.0966	1.365
0.1000	1.346
0.1033	1.336
0.1066	1.321
0.1100	1.305
0.1133	1.296
0.1166	1.280
0.1200	1.267
0.1233	1.258
0.1266	1.249
0.1300	1.233
0.1333	1.220
0.1366	1.211
0.1400	1.198
0.1433	1.192
0.1466	1.179

CEF-7-14I RUN 3

Step 2 05/11 10:50:12

Elapsed Time	INPUT 1
0.1500	1.176
0.1533	1.164
0.1566	1.148
0.1600	1.136
0.1633	1.132
0.1666	1.120
0.1700	1.110
0.1733	1.101
0.1766	1.092
0.1800	1.085
0.1833	1.073
0.1866	1.032
0.1900	1.060
0.1933	1.051
0.1966	1.038
0.2000	1.029
0.2033	1.023
0.2066	1.007
0.2100	1.001
0.2133	0.998
0.2166	0.988
0.2200	0.982
0.2233	0.976
0.2266	0.966
0.2300	0.960
0.2333	0.954
0.2366	0.944
0.2400	0.938
0.2433	0.932
0.2466	0.925
0.2500	0.919
0.2533	0.910
0.2566	0.903
0.2600	0.897
0.2633	0.891
0.2666	0.885
0.2700	0.878
0.2733	0.872
0.2766	0.866
0.2800	0.859
0.2833	0.853
0.2866	0.847
0.2900	0.841
0.2933	0.834
0.2966	0.828
0.3000	0.822
0.3033	0.816
0.3066	0.812
0.3100	0.806
0.3133	0.800
0.3166	0.794
0.3200	0.790
0.3233	0.784
0.3266	0.778
0.3300	0.772
0.3333	0.768
0.3500	0.740
0.3666	0.712
0.3833	0.690
0.4000	0.668
0.4166	0.643
0.4333	0.621
0.4500	0.599

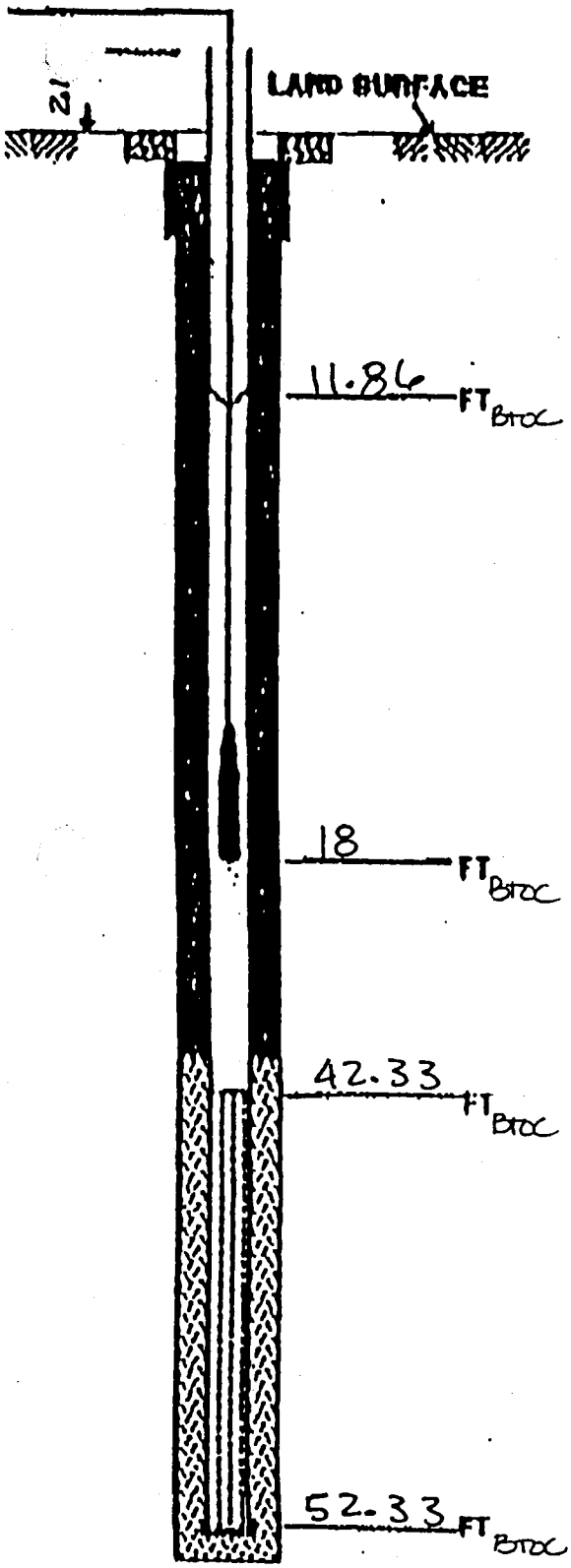
CEF-7-14I RUN 3
(CON'T) PAGE 2
Step 2 05/11 10:50:12

Elapsed Time	INPUT 1
0.4666	0.580
0.4833	0.561
0.5000	0.543
0.5166	0.527
0.5333	0.508
0.5500	0.492
0.5666	0.480
0.5833	0.464
0.6000	0.448
0.6166	0.436
0.6333	0.423
0.6500	0.411
0.6666	0.398
0.6833	0.386
0.7000	0.376
0.7166	0.364
0.7333	0.354
0.7500	0.342
0.7666	0.332
0.7833	0.323
0.8000	0.317
0.8166	0.307
0.8333	0.298
0.8500	0.291
0.8666	0.282
0.8833	0.273
0.9000	0.266
0.9166	0.260
0.9333	0.254
0.9500	0.247
0.9666	0.238
0.9833	0.235
1.0000	0.229
1.2000	0.160
1.4000	0.119
1.6000	0.094
1.8000	0.072
2.0000	0.056
2.2000	0.043
2.4000	0.037
2.6000	0.031
2.8000	0.025
3.0000	0.021
3.2000	0.018
3.4000	0.015
3.6000	0.015
3.8000	0.021
4.0000	0.025
4.2000	0.028
4.4000	0.034
4.6000	0.037
4.8000	0.040
5.0000	0.043
5.2000	0.050
5.4000	0.056
5.6000	0.056
5.8000	0.059
6.0000	0.065
6.2000	0.075
6.4000	0.084
6.6000	0.091
6.8000	0.091
7.0000	0.097

CEF-7-14I RUN 3
(CON'T) PAGE 2
Step 2 05/11 10:50:12

Elapsed Time	INPUT 1
7.2000	0.100
7.4000	0.106
7.6000	0.113
7.8000	0.113
8.0000	0.119
8.2000	0.125
8.4000	0.134
8.6000	0.138
8.8000	0.147
9.0000	0.153
9.2000	0.160
9.4000	0.163
9.6000	0.166
9.8000	0.169
10.0000	0.175

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-14I PUMPING WELL ____

DATE 5-11-95 TIME 1025

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203136

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 R2 10 R3 10
SEL 0 Step 0 Step 1 Step 2

TIME OF INSTALLATION 1025

STATIC DEPTH TO WATER 11.86 FT. ____ PSI

DEPTH OF TRANSDUCER 18

CALIBRATION
DEPTH 14 FT 2.13 PSI
DEPTH 15 FT 3.16 PSI
DEPTH 16 FT 4.18 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 11.86

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

05/16/95 10:53:27

= =

TEST DESCRIPTION

Data set........... cf715s2.set
Data set title..... CEF-7-15S RUN 2

Knowns and Constants:
No. of data points.................. 136
Radius of well casing............... 0.0833
Radius of well...................... 0.25
Aquifer saturated thickness......... 95
Well screen length.................. 10
Static height of water in well...... 8.49
Log(Re/Rw).......................... 2.24
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

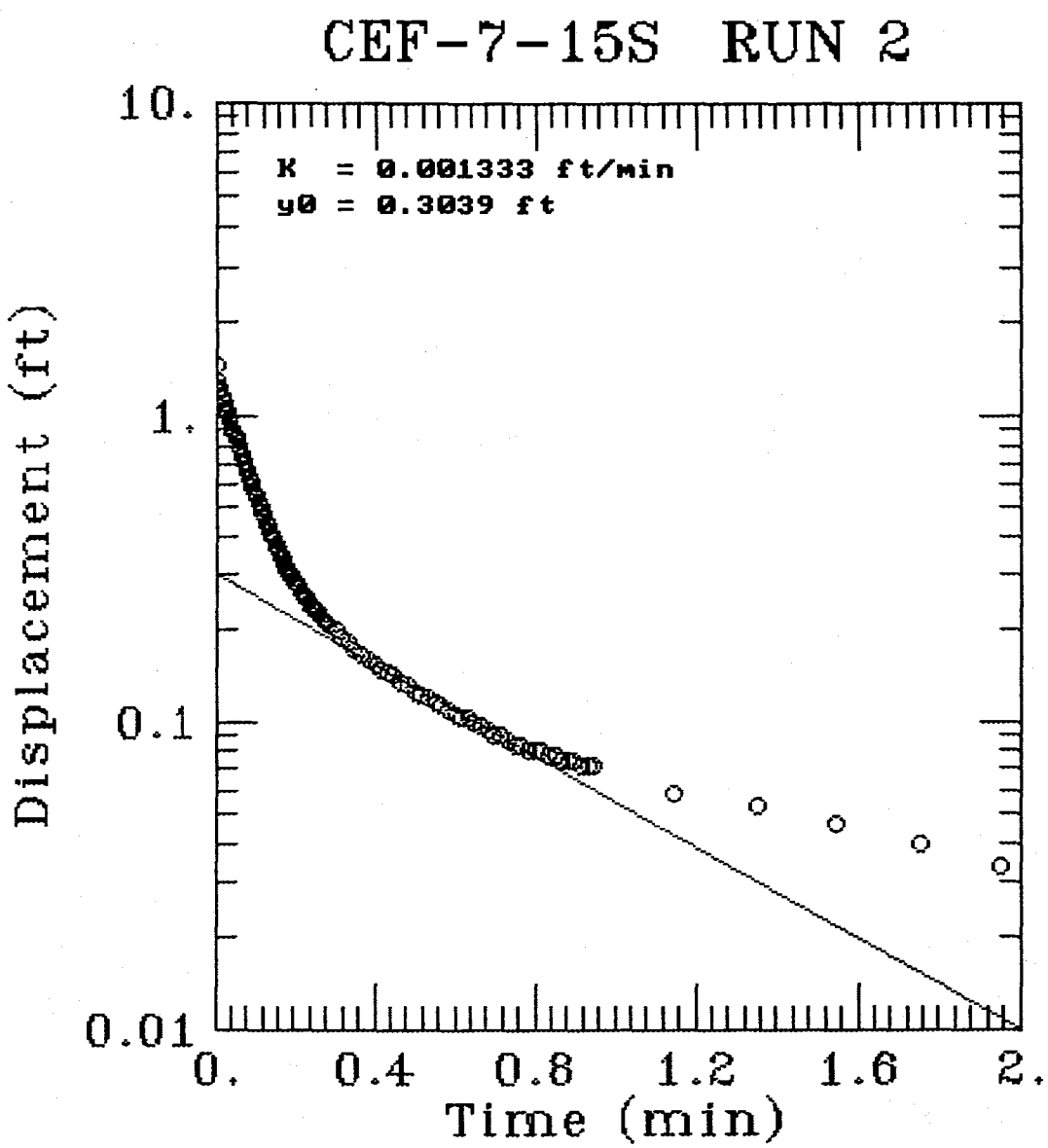
	Estimate
K =	1.3316E-003
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 1.33288E-003
y0 = 3.03859E-001

Time	Drawdown	Time	Drawdown
0.000E+000	3.039E-001	2.000E+000	9.834E-003


CEF-7-15S RUN 2
K = 0.001333 ft/min
y0 = 0.3039 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

ECT: NAS Cecil Field RI OUs 3,4,5,6	**LOG of WELL:**	**LOG OF BORING:** CF7SSB10S
IENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
RILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
RILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA / **SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID / **TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ∇** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)* 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		6-4	3-5 120				
			3-6					
5	5-7 soil		6-7	5-7 100	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			7-8					
					End of boring: 7'bls.			groundwater encountered bottom hole ∇
10								

 ABB ENVIRONMENTAL SERVICES, INC.

SE1000C
Environmental Logger
05/12 11:19

Unit# 00008 Test 7

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-7-15S RUN 2

Step 0 05/12 10:05:21

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.000
0.0133	0.000
0.0166	0.021
0.0200	0.392
0.0233	0.879
0.0266	1.042
0.0300	0.876
0.0333	0.882
0.0366	0.769
0.0400	1.099
0.0433	1.368
0.0466	1.378
0.0500	1.441
0.0533	1.293
0.0566	1.234
0.0600	1.196
0.0633	1.146
0.0666	1.130
0.0700	1.089
0.0733	1.055
0.0766	1.036
0.0800	1.004
0.0833	0.979
0.0866	0.954
0.0900	0.907
0.0933	0.894
0.0966	0.863
0.1000	0.854
0.1033	0.841
0.1066	0.797
0.1100	0.778
0.1133	0.753
0.1166	0.731
0.1200	0.712
0.1233	0.690
0.1266	0.672
0.1300	0.656
0.1333	0.637
0.1366	0.618
0.1400	0.606
0.1433	0.587
0.1466	0.568

CEF-7-15S RUN 2

Step 0 05/12 10:05:21

Elapsed Time	INPUT 1
0.1500	0.555
0.1533	0.543
0.1566	0.527
0.1600	0.515
0.1633	0.502
0.1666	0.489
0.1700	0.477
0.1733	0.464
0.1766	0.452
0.1800	0.439
0.1833	0.430
0.1866	0.420
0.1900	0.408
0.1933	0.401
0.1966	0.392
0.2000	0.383
0.2033	0.373
0.2066	0.364
0.2100	0.358
0.2133	0.351
0.2166	0.342
0.2200	0.336
0.2233	0.329
0.2266	0.323
0.2300	0.317
0.2333	0.310
0.2366	0.304
0.2400	0.301
0.2433	0.295
0.2466	0.288
0.2500	0.285
0.2533	0.282
0.2566	0.276
0.2600	0.273
0.2633	0.266
0.2666	0.263
0.2700	0.260
0.2733	0.257
0.2766	0.254
0.2800	0.251
0.2833	0.248
0.2866	0.244
0.2900	0.241
0.2933	0.238
0.2966	0.235
0.3000	0.232
0.3033	0.229
0.3066	0.226
0.3100	0.226
0.3133	0.219
0.3166	0.219
0.3200	0.216
0.3233	0.216
0.3266	0.213
0.3300	0.210
0.3333	0.207
0.3500	0.201
0.3666	0.188
0.3833	0.182
0.4000	0.172
0.4166	0.166
0.4333	0.160
0.4500	0.153

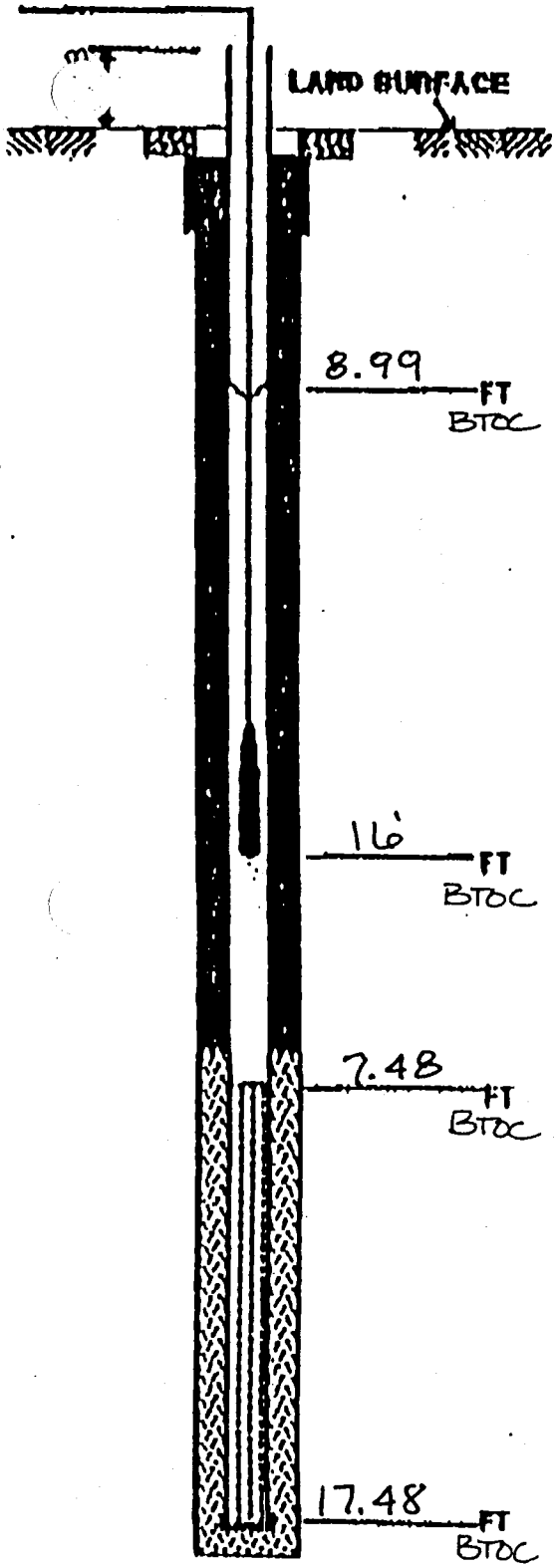
CEF-7-15S RUN 2
(CON'T) PAGE 2
Step 0 05/12 10:05:21

Elapsed Time	INPUT 1
0.4666	0.147
0.4833	0.144
0.5000	0.141
0.5166	0.135
0.5333	0.131
0.5500	0.125
0.5666	0.122
0.5833	0.119
0.6000	0.116
0.6166	0.113
0.6333	0.109
0.6500	0.106
0.6666	0.103
0.6833	0.103
0.7000	0.100
0.7166	0.097
0.7333	0.094
0.7500	0.091
0.7666	0.091
0.7833	0.087
0.8000	0.084
0.8166	0.084
0.8333	0.081
0.8500	0.081
0.8666	0.081
0.8833	0.078
0.9000	0.078
0.9166	0.075
0.9333	0.075
0.9500	0.075
0.9666	0.072
0.9833	0.072
1.0000	0.072
1.2000	0.059
1.4000	0.053
1.6000	0.047
1.8000	0.040
2.0000	0.034
2.2000	0.028
2.4000	0.021
2.6000	0.012
2.8000	0.009
3.0000	0.006
3.2000	-0.003
3.4000	-0.003
3.6000	-0.006
3.8000	-0.006
4.0000	-0.006
4.2000	-0.003
4.4000	0.000
4.6000	0.000
4.8000	0.006
5.0000	0.009
5.2000	0.012
5.4000	0.015
5.6000	0.015
5.8000	0.012
6.0000	0.009
6.2000	0.009
6.4000	0.006
6.6000	0.003
6.8000	-0.003
7.0000	-0.003

CEF-7-15S RUN 2
(CON'T) PAGE 2
Step 0 05/12 10:05:21

Elapsed Time	INPUT 1
7.2000	-0.003
7.4000	-0.003
7.6000	0.000
7.8000	0.003
8.0000	0.006
8.2000	0.006
8.4000	0.000
8.6000	-0.003
8.8000	-0.006
9.0000	-0.009
9.2000	-0.009
9.4000	-0.006
9.6000	-0.003
9.8000	-0.003
10.0000	-0.003

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-7-15S PUMPING WELL ____

DATE 5-12-95 TIME 09:49

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 SEL 6, R2 10 SEL 7, R3 10 SEL 8

TIME OF INSTALLATION 0949

STATIC DEPTH TO WATER 8.99 B.T.oc FT. ____ PSI

DEPTH OF TRANSDUCER 16

CALIBRATION
DEPTH 14 FT 5.43 PSI
DEPTH 15 FT 6.49 PSI
DEPTH 16 FT 7.52 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.99 B.T.oc.

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

Section 6.2

Site 8 Hydraulic Conductivity Test Results

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

A Q T E S O L V   R E S U L T S
Version 1.10

05/19/95 10:08:41

==

TEST DESCRIPTION

Data set........... cf81s1.set
Data set title..... CEF-8-1S RUN 1

Knowns and Constants:
No. of data points.................. 172
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 10.66
Log(Re/Rw).......................... 2.344
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

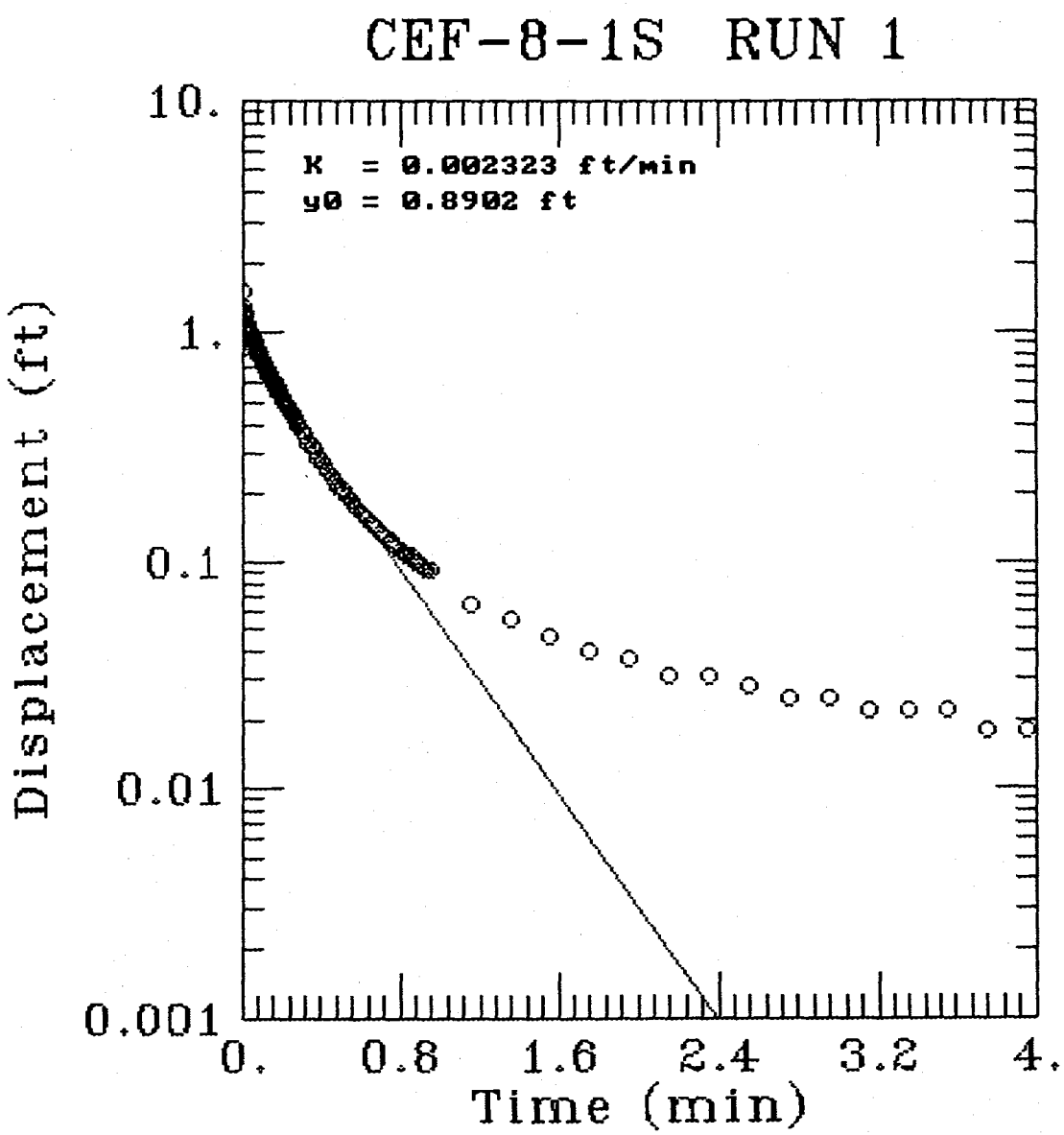
	Estimate
K =	4.3802E-004
y0 =	-4.8807E-246

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

TYPE CURVE DATA

K = 2.32338E-003
y0 = 8.90183E-001

Time	Drawdown	Time	Drawdown
0.000E+000	8.902E-001	4.000E+000	9.778E-006


CEF-8-1S RUN 1
K = 0.002323 ft/min
y0 = 0.8902 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.8
1.6
2.4
3.2
4.
Time (min)

SE1000C
Environmental Logger
05/18 14:36

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-1S RUN 1

Step 0 05/18 08:31:48

Elapsed Time	INPUT 1
0.0000	0.003
0.0033	0.003
0.0066	0.000
0.0100	0.000
0.0133	0.003
0.0166	0.043
0.0200	0.735
0.0233	1.212
0.0266	1.281
0.0300	1.124
0.0333	1.262
0.0366	1.071
0.0400	0.653
0.0433	1.334
0.0466	1.488
0.0500	1.287
0.0533	1.240
0.0566	1.231
0.0600	1.196
0.0633	1.168
0.0666	1.143
0.0700	1.127
0.0733	1.093
0.0766	1.071
0.0800	1.049
0.0833	1.033
0.0866	1.008
0.0900	0.992
0.0933	0.976
0.0966	0.958
0.1000	0.939
0.1033	0.929
0.1066	0.910
0.1100	0.898
0.1133	0.882
0.1166	0.870
0.1200	0.857
0.1233	0.841
0.1266	0.832
0.1300	0.819
0.1333	0.807
0.1366	0.797
0.1400	0.785
0.1433	0.775
0.1466	0.766

CEF-8-1S RUN 1

Step 0 05/18 08:31:48

Elapsed Time	INPUT 1
0.1500	0.757
0.1533	0.744
0.1566	0.735
0.1600	0.725
0.1633	0.716
0.1666	0.706
0.1700	0.697
0.1733	0.687
0.1766	0.681
0.1800	0.672
0.1833	0.662
0.1866	0.653
0.1900	0.647
0.1933	0.640
0.1966	0.628
0.2000	0.622
0.2033	0.615
0.2066	0.609
0.2100	0.600
0.2133	0.593
0.2166	0.587
0.2200	0.578
0.2233	0.571
0.2266	0.565
0.2300	0.559
0.2333	0.552
0.2366	0.546
0.2400	0.540
0.2433	0.534
0.2466	0.527
0.2500	0.521
0.2533	0.515
0.2566	0.508
0.2600	0.502
0.2633	0.499
0.2666	0.493
0.2700	0.486
0.2733	0.483
0.2766	0.474
0.2800	0.471
0.2833	0.468
0.2866	0.461
0.2900	0.455
0.2933	0.452
0.2966	0.446
0.3000	0.442
0.3033	0.436
0.3066	0.433
0.3100	0.427
0.3133	0.424
0.3166	0.417
0.3200	0.414
0.3233	0.411
0.3266	0.408
0.3300	0.402
0.3333	0.399
0.3500	0.377
0.3666	0.355
0.3833	0.336
0.4000	0.320
0.4166	0.304
0.4333	0.289
0.4500	0.276

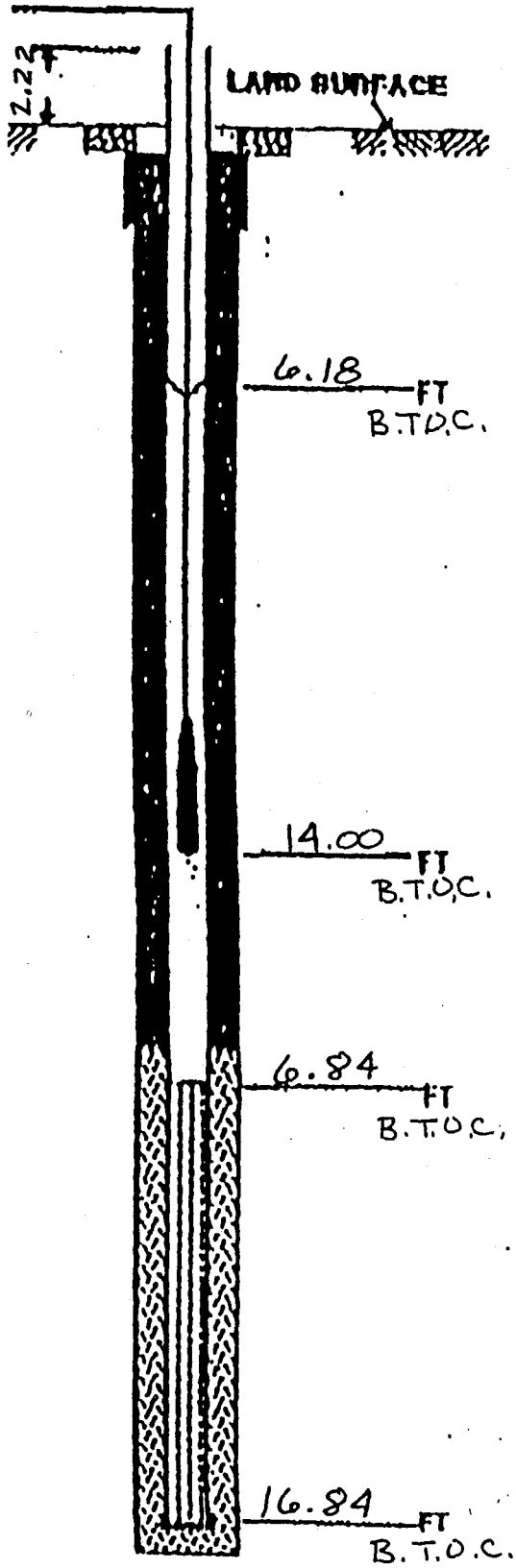
CEF-8-1S RUN 1
(CON'T) PAGE 2
Step 0 05/18 08:31:48

Elapsed Time	INPUT 1
0.4666	0.263
0.4833	0.251
0.5000	0.241
0.5166	0.229
0.5333	0.219
0.5500	0.210
0.5666	0.204
0.5833	0.194
0.6000	0.188
0.6166	0.179
0.6333	0.172
0.6500	0.166
0.6666	0.160
0.6833	0.157
0.7000	0.150
0.7166	0.144
0.7333	0.141
0.7500	0.135
0.7666	0.131
0.7833	0.128
0.8000	0.125
0.8166	0.119
0.8333	0.116
0.8500	0.113
0.8666	0.109
0.8833	0.106
0.9000	0.106
0.9166	0.103
0.9333	0.100
0.9500	0.097
0.9666	0.094
0.9833	0.091
1.0000	0.091
1.2000	0.065
1.4000	0.056
1.6000	0.047
1.8000	0.040
2.0000	0.037
2.2000	0.031
2.4000	0.031
2.6000	0.028
2.8000	0.025
3.0000	0.025
3.2000	0.022
3.4000	0.022
3.6000	0.022
3.8000	0.018
4.0000	0.018
4.2000	0.018
4.4000	0.018
4.6000	0.015
4.8000	0.015
5.0000	0.015
5.2000	0.015
5.4000	0.015
5.6000	0.015
5.8000	0.012
6.0000	0.012
6.2000	0.012
6.4000	0.012
6.6000	0.012
6.8000	0.012
7.0000	0.012

CEF-8-1S RUN 1
(CON'T) PAGE 2
Step 0 05/18 08:31:48

Elapsed Time	INPUT 1
7.2000	0.012
7.4000	0.012
7.6000	0.009
7.8000	0.009
8.0000	0.009
8.2000	0.009
8.4000	0.009
8.6000	0.009
8.8000	0.009
9.0000	0.009
9.2000	0.009
9.4000	0.009
9.6000	0.009
9.8000	0.009
10.0000	0.009

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-15 PUMPING WELL ____

DATE 5-18-95 TIME 0835

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 2

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	Step 1	Step 2

TIME OF INSTALLATION 0835

STATIC DEPTH TO WATER 6.18 FT. ____ PSI

DEPTH OF TRANSDUCER 14' B.T.O.C.

CALIBRATION
DEPTH 11 FT 5.31 PSI
DEPTH 12 FT 6.37 PSI
DEPTH 13 FT 7.38 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 6.18' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)

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

05/19/95 10:14:32

===

TEST DESCRIPTION

Data set........... cf82i3.set
Data set title..... CEF-8-2I RUN 3

Knowns and Constants:
- No. of data points.................. 176
- Radius of well casing............... 0.08333
- Radius of well...................... 0.25
- Aquifer saturated thickness......... 90
- Well screen length.................. 10
- Static height of water in well...... 51.38
- Log(Re/Rw).......................... 3.012
- A, B, C............................. 2.760, 0.448, 0.000

===

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

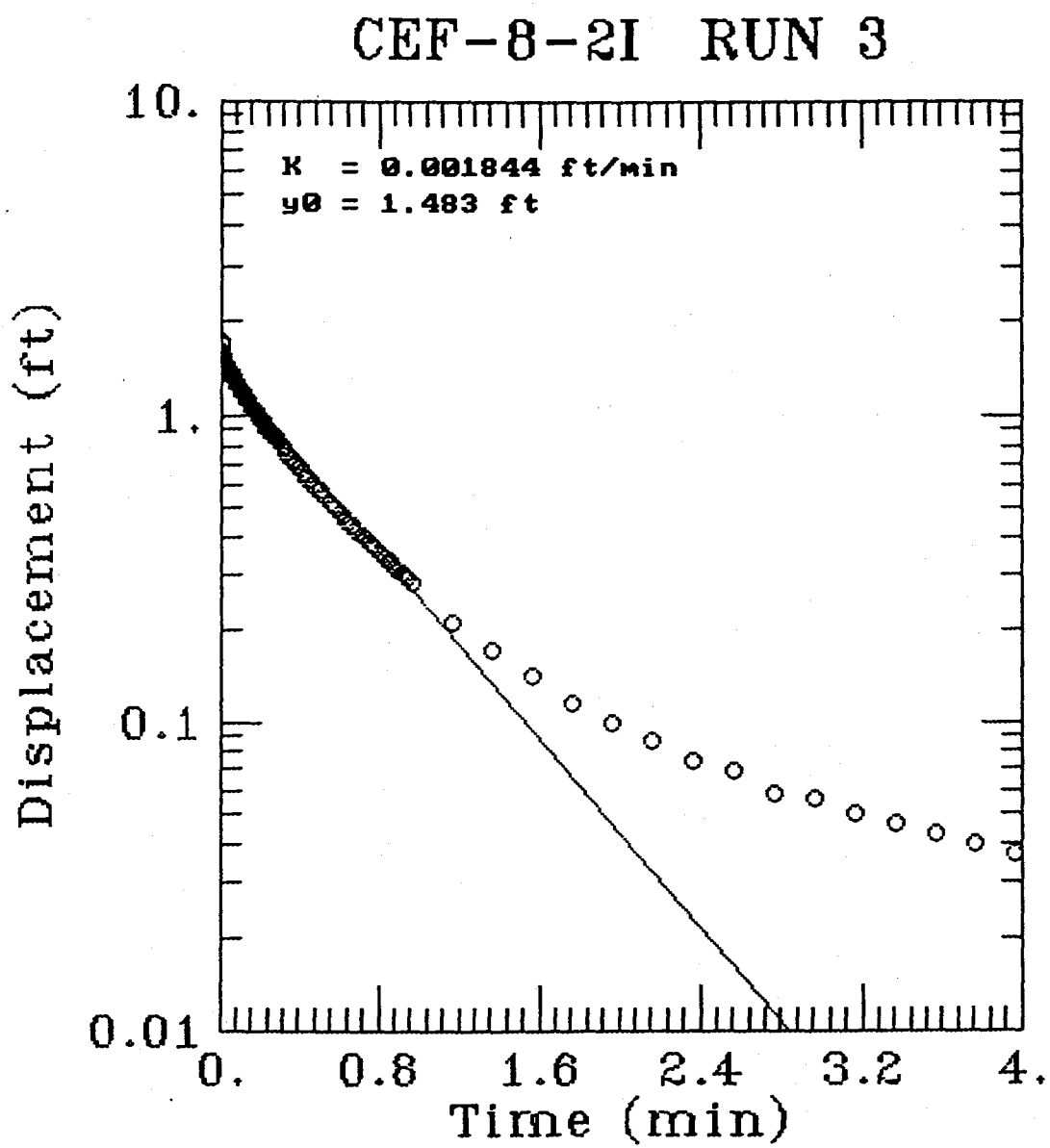
	Estimate
K =	5.5185E-004
y0 =	-4.8807E-246

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

TYPE CURVE DATA

K = 1.84406E-003
y0 = 1.48284E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.483E+000	4.000E+000	1.282E-003


CEF-8-2I RUN 3
K = 0.001844 ft/min
y0 = 1.483 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.8
1.6
2.4
3.2
4.
Time (min)

SE1000C
Environmental Logger
05/18 14:50

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-2l RUN 3

Step 2 05/18 10:15:25

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	-0.003
0.0066	0.006
0.0100	0.785
0.0133	1.136
0.0166	1.450
0.0200	1.482
0.0233	1.296
0.0266	1.023
0.0300	1.431
0.0333	1.726
0.0366	1.682
0.0400	1.595
0.0433	1.569
0.0466	1.538
0.0500	1.513
0.0533	1.491
0.0566	1.453
0.0600	1.456
0.0633	1.444
0.0666	1.428
0.0700	1.416
0.0733	1.406
0.0766	1.391
0.0800	1.378
0.0833	1.365
0.0866	1.353
0.0900	1.340
0.0933	1.331
0.0966	1.318
0.1000	1.309
0.1033	1.296
0.1066	1.287
0.1100	1.274
0.1133	1.265
0.1166	1.256
0.1200	1.243
0.1233	1.234
0.1266	1.224
0.1300	1.215
0.1333	1.205
0.1366	1.196
0.1400	1.186
0.1433	1.180
0.1466	1.171

CEF-8-2l RUN 3

Step 2 05/18 10:15:25

Elapsed Time	INPUT 1
0.1500	1.161
0.1533	1.152
0.1566	1.146
0.1600	1.136
0.1633	1.127
0.1666	1.121
0.1700	1.111
0.1733	1.105
0.1766	1.095
0.1800	1.089
0.1833	1.080
0.1866	1.073
0.1900	1.067
0.1933	1.058
0.1966	1.051
0.2000	1.045
0.2033	1.036
0.2066	1.029
0.2100	1.023
0.2133	1.017
0.2166	1.011
0.2200	1.004
0.2233	0.998
0.2266	0.989
0.2300	0.982
0.2333	0.976
0.2366	0.970
0.2400	0.964
0.2433	0.957
0.2466	0.951
0.2500	0.948
0.2533	0.942
0.2566	0.935
0.2600	0.929
0.2633	0.923
0.2666	0.916
0.2700	0.910
0.2733	0.907
0.2766	0.901
0.2800	0.894
0.2833	0.888
0.2866	0.885
0.2900	0.879
0.2933	0.873
0.2966	0.869
0.3000	0.863
0.3033	0.857
0.3066	0.854
0.3100	0.847
0.3133	0.841
0.3166	0.838
0.3200	0.832
0.3233	0.829
0.3266	0.822
0.3300	0.819
0.3333	0.813
0.3500	0.788
0.3666	0.766
0.3833	0.741
0.4000	0.719
0.4166	0.697
0.4333	0.678
0.4500	0.656

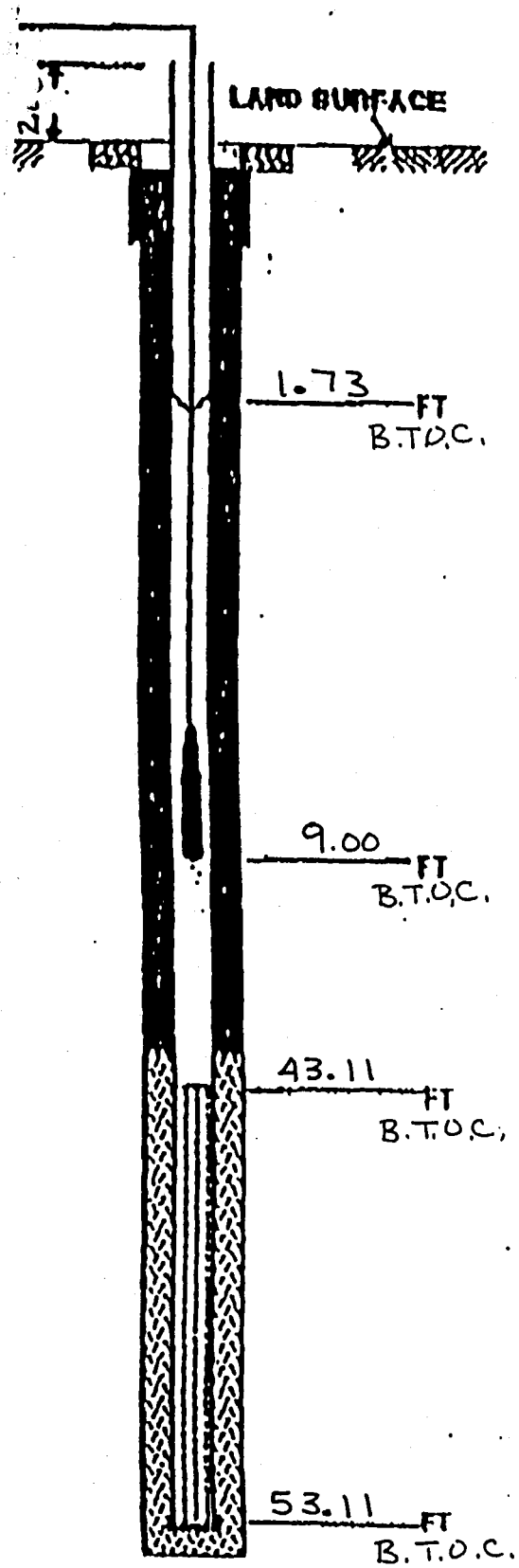
CEF-8-21 RUN 3
(CON'T) PAGE 2
Step 2 05/18 10:15:25

Elapsed Time	INPUT 1
0.4666	0.637
0.4833	0.621
0.5000	0.602
0.5166	0.587
0.5333	0.571
0.5500	0.555
0.5666	0.540
0.5833	0.524
0.6000	0.511
0.6166	0.499
0.6333	0.483
0.6500	0.474
0.6666	0.461
0.6833	0.449
0.7000	0.439
0.7166	0.427
0.7333	0.417
0.7500	0.408
0.7666	0.398
0.7833	0.389
0.8000	0.380
0.8166	0.370
0.8333	0.361
0.8500	0.351
0.8666	0.345
0.8833	0.336
0.9000	0.329
0.9166	0.323
0.9333	0.314
0.9500	0.307
0.9666	0.301
0.9833	0.295
1.0000	0.288
1.2000	0.213
1.4000	0.172
1.6000	0.141
1.8000	0.116
2.0000	0.100
2.2000	0.087
2.4000	0.075
2.6000	0.069
2.8000	0.059
3.0000	0.056
3.2000	0.050
3.4000	0.047
3.6000	0.043
3.8000	0.040
4.0000	0.037
4.2000	0.037
4.4000	0.034
4.6000	0.034
4.8000	0.031
5.0000	0.031
5.2000	0.028
5.4000	0.028
5.6000	0.028
5.8000	0.025
6.0000	0.025
6.2000	0.025
6.4000	0.025
6.6000	0.025
6.8000	0.021
7.0000	0.021

CEF-8-21 RUN 3
(CON'T) PAGE 2
Step 2 05/18 10:15:25

Elapsed Time	INPUT 1
7.2000	0.021
7.4000	0.021
7.6000	0.021
7.8000	0.021
8.0000	0.018
8.2000	0.018
8.4000	0.018
8.6000	0.018
8.8000	0.018
9.0000	0.018
9.2000	0.018
9.4000	0.018
9.6000	0.018
9.8000	0.018
10.0000	0.018

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-2I PUMPING WELL ____

DATE 5-18-95 TIME 0937

DATALOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 1	Step 1	Step 2

TIME OF INSTALLATION 0937

STATIC DEPTH TO WATER 1.73 FT. ____ PSI

DEPTH OF TRANSDUCER 9 B.T.O.C.

CALIBRATION
DEPTH 4 FT 2.43 PSI
DEPTH 5 FT 3.44 PSI
DEPTH 6 FT 4.46 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 1.73 B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (1M)
____ VERIFICATION OF DATA ACQUISITION (1M)
____ VERIFICATION OF DATA ACQUISITION (1M)

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

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

AQTESOLV RESULTS

Version 1.10

06/06/95 11:22:23

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TEST DESCRIPTION

Data set........... cf83d1.set
Data set title..... CEF-8-3D RUN 1

Knowns and Constants:
No. of data points.................. 164
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 92
Well screen length.................. 10
Static height of water in well...... 89.48
Log(Re/Rw).......................... 3.547
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

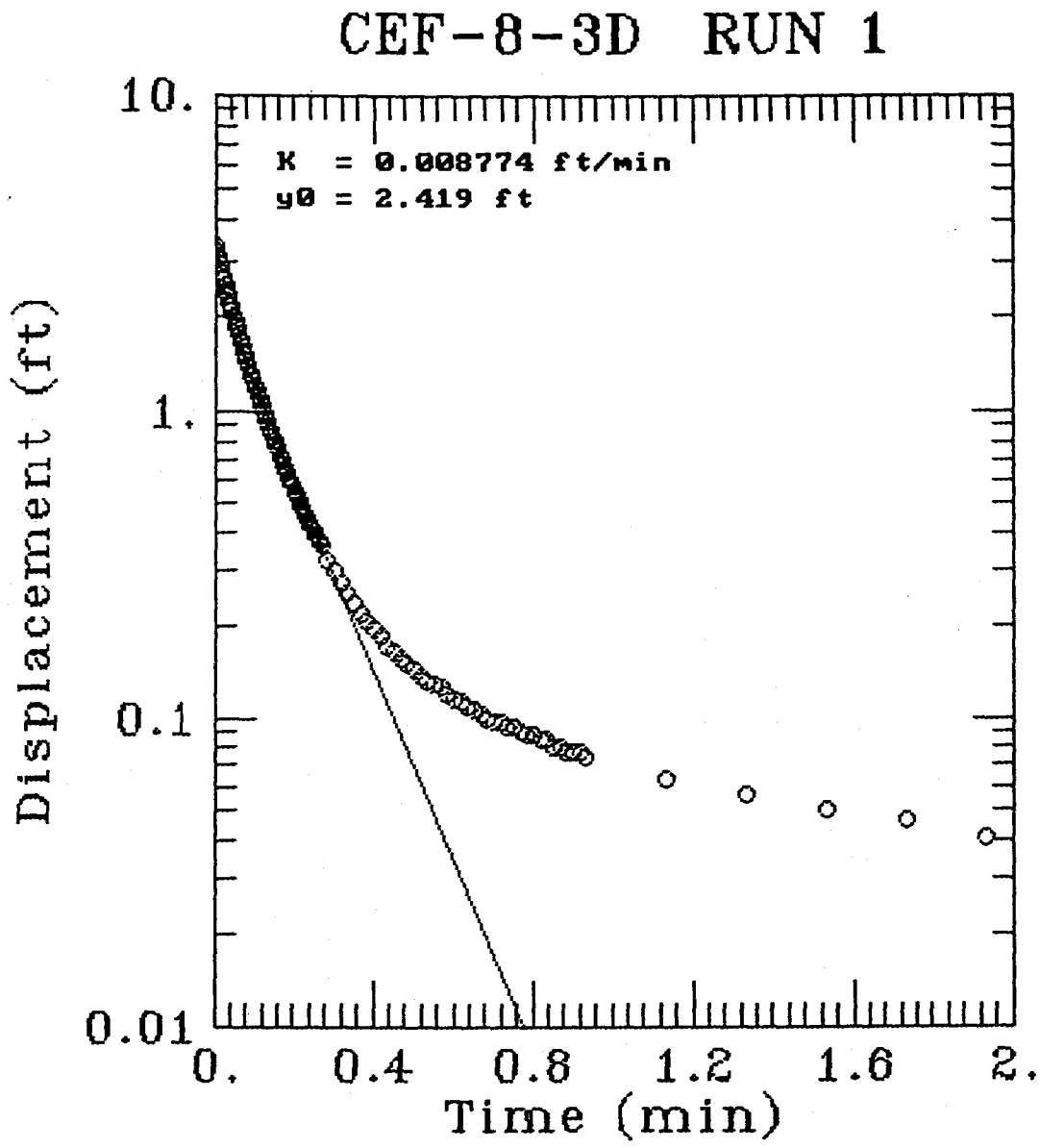
	Estimate
K =	6.6144E-004
y0 =	-1.5049E-255

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

TYPE CURVE DATA

K = 8.77437E-003
y0 = 2.41877E+000

Time	Drawdown	Time	Drawdown
0.000E+000	2.419E+000	2.000E+000	1.567E-006


CEF-8-3D RUN 1
K = 0.008774 ft/min
y0 = 2.419 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
06/05 14:55

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-3D RUN 1

Step 0 06/05 10:17:32

Elapsed Time	INPUT 1
0.0000	0.015
0.0033	0.015
0.0066	2.015
0.0100	3.189
0.0133	2.383
0.0166	1.747
0.0200	1.691
0.0233	1.074
0.0266	0.863
0.0300	1.870
0.0333	1.880
0.0366	1.927
0.0400	3.538
0.0433	2.286
0.0466	2.197
0.0500	3.000
0.0533	2.890
0.0566	3.085
0.0600	3.242
0.0633	3.324
0.0666	3.217
0.0700	3.107
0.0733	3.009
0.0766	2.906
0.0800	2.780
0.0833	2.666
0.0866	2.597
0.0900	2.506
0.0933	2.405
0.0966	2.320
0.1000	2.216
0.1033	2.147
0.1066	2.072
0.1100	1.999
0.1133	1.933
0.1166	1.867
0.1200	1.807
0.1233	1.750
0.1266	1.694
0.1300	1.640
0.1333	1.590
0.1366	1.543
0.1400	1.495
0.1433	1.448
0.1466	1.407

CEF-8-3D RUN 1

Step 0 06/05 10:17:32

Elapsed Time	INPUT 1
0.1500	1.366
0.1533	1.325
0.1566	1.288
0.1600	1.250
0.1633	1.212
0.1666	1.177
0.1700	1.146
0.1733	1.114
0.1766	1.083
0.1800	1.052
0.1833	1.023
0.1866	0.995
0.1900	0.967
0.1933	0.941
0.1966	0.916
0.2000	0.894
0.2033	0.869
0.2066	0.847
0.2100	0.825
0.2133	0.803
0.2166	0.784
0.2200	0.762
0.2233	0.743
0.2266	0.724
0.2300	0.708
0.2333	0.689
0.2366	0.674
0.2400	0.658
0.2433	0.642
0.2466	0.626
0.2500	0.611
0.2533	0.598
0.2566	0.582
0.2600	0.570
0.2633	0.557
0.2666	0.545
0.2700	0.532
0.2733	0.519
0.2766	0.510
0.2800	0.497
0.2833	0.488
0.2866	0.478
0.2900	0.469
0.2933	0.456
0.2966	0.450
0.3000	0.440
0.3033	0.431
0.3066	0.422
0.3100	0.415
0.3133	0.406
0.3166	0.396
0.3200	0.390
0.3233	0.384
0.3266	0.378
0.3300	0.371
0.3333	0.362
0.3500	0.327
0.3666	0.302
0.3833	0.277
0.4000	0.255
0.4166	0.236
0.4333	0.220
0.4500	0.207

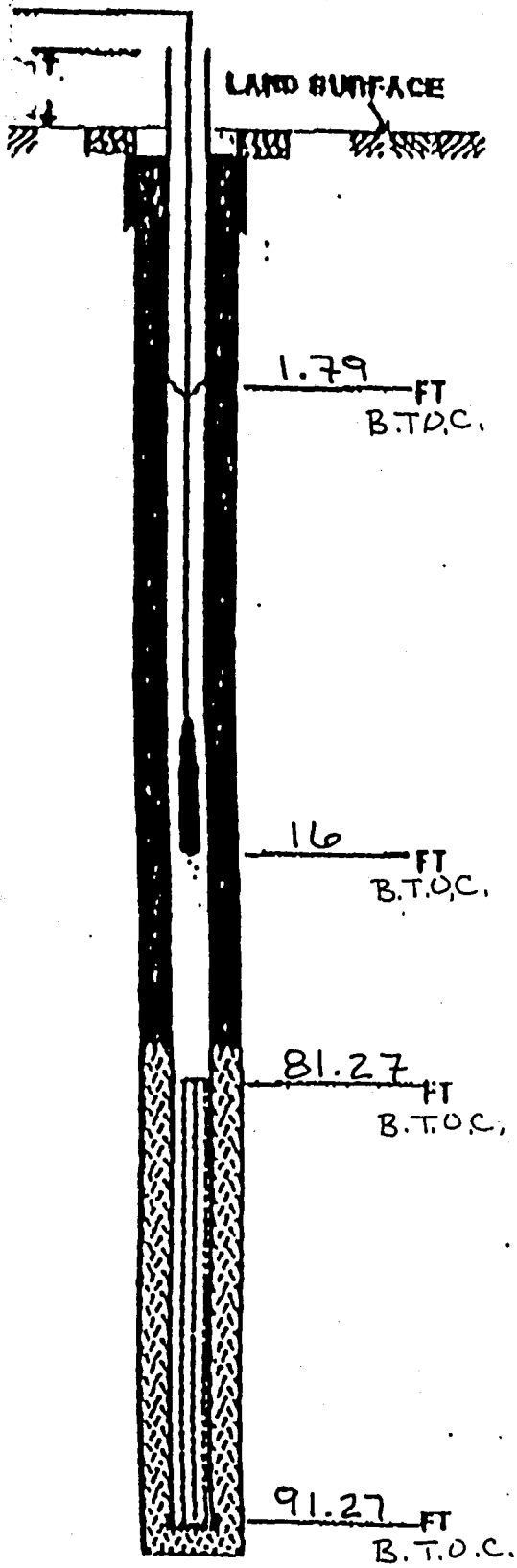
CEF-8-3D RUN 1
(CON'T) PAGE 2
Step 0 06/05 10:17:32

Elapsed Time	INPUT 1
0.4666	0.195
0.4833	0.185
0.5000	0.173
0.5166	0.166
0.5333	0.157
0.5500	0.151
0.5666	0.144
0.5833	0.138
0.6000	0.132
0.6166	0.129
0.6333	0.126
0.6500	0.119
0.6666	0.116
0.6833	0.113
0.7000	0.110
0.7166	0.107
0.7333	0.103
0.7500	0.100
0.7666	0.097
0.7833	0.097
0.8000	0.094
0.8166	0.094
0.8333	0.091
0.8500	0.088
0.8666	0.088
0.8833	0.085
0.9000	0.085
0.9166	0.081
0.9333	0.081
0.9500	0.078
0.9666	0.078
0.9833	0.078
1.0000	0.075
1.2000	0.063
1.4000	0.056
1.6000	0.050
1.8000	0.047
2.0000	0.041
2.2000	0.041
2.4000	0.037
2.6000	0.034
2.8000	0.034
3.0000	0.031
3.2000	0.031
3.4000	0.028
3.6000	0.028
3.8000	0.028
4.0000	0.028
4.2000	0.025
4.4000	0.025
4.6000	0.025
4.8000	0.025
5.0000	0.022
5.2000	0.022
5.4000	0.022
5.6000	0.018
5.8000	0.018
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018

CEF-8-3D RUN 1
(CON'T) PAGE 2
Step 0 06/05 10:17:32

Elapsed Time	INPUT 1
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.015
8.6000	0.015
8.8000	0.015
9.0000	0.015
9.2000	0.012
9.4000	0.012
9.6000	0.015
9.8000	0.015
10.0000	0.012

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-3D PUMPING WELL ____

DATE 6-5-95 TIME 10:22

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL1	Step 1	Step 2

TIME OF INSTALLATION 10:22

STATIC DEPTH TO WATER 1.79 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION

DEPTH 6 FT 4.25 PSI

DEPTH 7 FT 5.29 PSI

DEPTH 8 FT 6.31 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 1.79' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

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

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A Q T E S O L V   R E S U L T S
Version 1.10

05/18/95 14:01:44

= =

TEST DESCRIPTION

Data set........... cf84s2.set
Data set title..... CEF-8-4S RUN 2

Knowns and Constants:
No. of data points.................. 167
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 9.73
Log(Re/Rw).......................... 2.304
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	5.8875E-004
y0 =	-6.2564E-039

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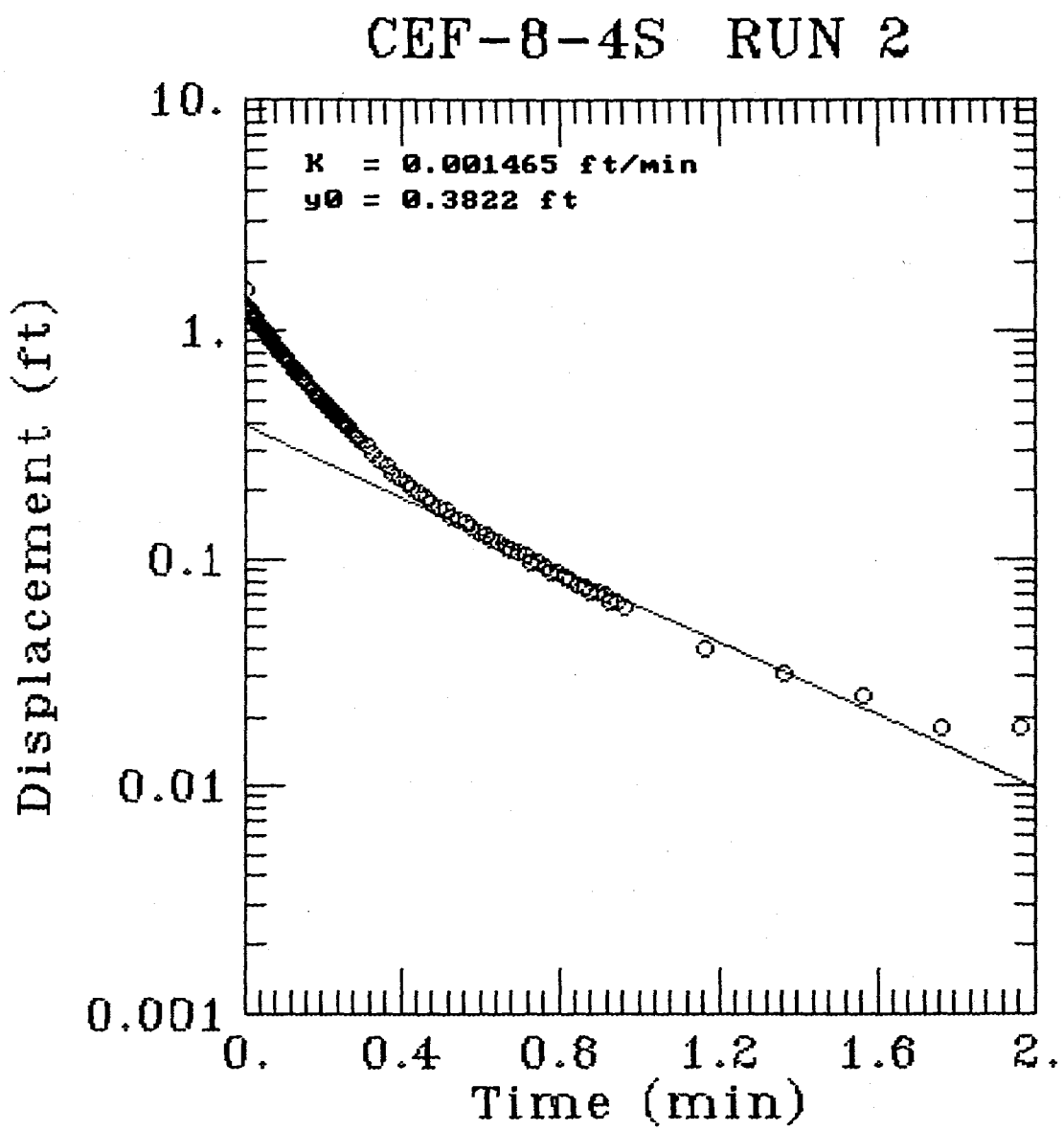
TYPE CURVE DATA

K = 1.46539E-003
y0 = 3.82159E-001

Time	Drawdown	Time	Drawdown
0.000E+000	3.822E-001	2.000E+000	9.796E-003


CEF-8-4S RUN 2
K = 0.001465 ft/min
y0 = 0.3822 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/18 06:35

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-4S RUN 2

Step 1 05/17 12:36:12

Elapsed Time	INPUT 1
0.0000	-0.009
0.0033	-0.009
0.0066	-0.012
0.0100	-0.012
0.0133	-0.009
0.0166	-0.006
0.0200	0.420
0.0233	1.390
0.0266	1.598
0.0300	1.921
0.0333	1.243
0.0366	1.513
0.0400	1.500
0.0433	1.274
0.0466	1.265
0.0500	1.221
0.0533	1.199
0.0566	1.174
0.0600	1.152
0.0633	1.130
0.0666	1.108
0.0700	1.089
0.0733	1.070
0.0766	1.051
0.0800	1.033
0.0833	1.017
0.0866	0.995
0.0900	0.979
0.0933	0.960
0.0966	0.942
0.1000	0.929
0.1033	0.913
0.1066	0.898
0.1100	0.885
0.1133	0.869
0.1166	0.857
0.1200	0.841
0.1233	0.829
0.1266	0.816
0.1300	0.803
0.1333	0.791
0.1366	0.778
0.1400	0.766
0.1433	0.753
0.1466	0.744

CEF-8-4S RUN 2

Step 1 05/17 12:36:12

Elapsed Time	INPUT 1
0.1500	0.731
0.1533	0.722
0.1566	0.709
0.1600	0.700
0.1633	0.687
0.1666	0.678
0.1700	0.668
0.1733	0.656
0.1766	0.646
0.1800	0.637
0.1833	0.628
0.1866	0.618
0.1900	0.609
0.1933	0.599
0.1966	0.593
0.2000	0.584
0.2033	0.574
0.2066	0.565
0.2100	0.559
0.2133	0.549
0.2166	0.543
0.2200	0.533
0.2233	0.527
0.2266	0.518
0.2300	0.511
0.2333	0.505
0.2366	0.496
0.2400	0.489
0.2433	0.483
0.2466	0.477
0.2500	0.471
0.2533	0.464
0.2566	0.455
0.2600	0.449
0.2633	0.442
0.2666	0.436
0.2700	0.433
0.2733	0.427
0.2766	0.420
0.2800	0.414
0.2833	0.408
0.2866	0.401
0.2900	0.398
0.2933	0.392
0.2966	0.386
0.3000	0.383
0.3033	0.376
0.3066	0.370
0.3100	0.367
0.3133	0.361
0.3166	0.358
0.3200	0.351
0.3233	0.348
0.3266	0.342
0.3300	0.339
0.3333	0.336
0.3500	0.314
0.3666	0.292
0.3833	0.273
0.4000	0.257
0.4166	0.241
0.4333	0.229
0.4500	0.216

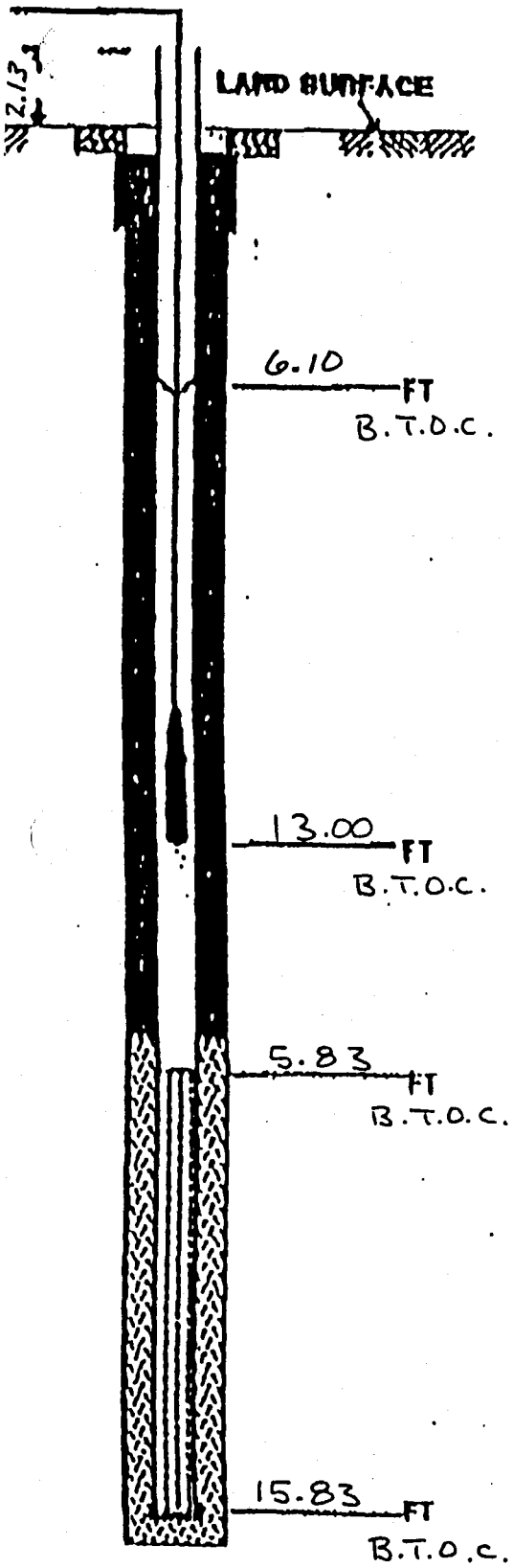
CEF-8-4S RUN 2
(CON'T) PAGE 2
Step 1 05/17 12:36:12

Elapsed Time	INPUT 1
0.4666	0.204
0.4833	0.194
0.5000	0.185
0.5166	0.175
0.5333	0.169
0.5500	0.163
0.5666	0.153
0.5833	0.147
0.6000	0.144
0.6166	0.138
0.6333	0.131
0.6500	0.128
0.6666	0.122
0.6833	0.119
0.7000	0.113
0.7166	0.109
0.7333	0.106
0.7500	0.103
0.7666	0.097
0.7833	0.097
0.8000	0.091
0.8166	0.087
0.8333	0.087
0.8500	0.084
0.8666	0.081
0.8833	0.078
0.9000	0.075
0.9166	0.072
0.9333	0.072
0.9500	0.069
0.9666	0.065
0.9833	0.065
1.0000	0.062
1.2000	0.040
1.4000	0.031
1.6000	0.025
1.8000	0.018
2.0000	0.018
2.2000	0.015
2.4000	0.012
2.6000	0.012
2.8000	0.012
3.0000	0.012
3.2000	0.009
3.4000	0.009
3.6000	0.009
3.8000	0.006
4.0000	0.006
4.2000	0.006
4.4000	0.006
4.6000	0.006
4.8000	0.006
5.0000	0.006
5.2000	0.006
5.4000	0.006
5.6000	0.006
5.8000	0.006
6.0000	0.006
6.2000	0.006
6.4000	0.006
6.6000	0.006
6.8000	0.006
7.0000	0.006

CEF-8-4S RUN 2
(CON'T) PAGE 2
Step 1 05/17 12:36:12

Elapsed Time	INPUT 1
7.2000	0.006
7.4000	0.006
7.6000	0.009
7.8000	0.006
8.0000	0.006
8.2000	0.006
8.4000	0.006
8.6000	0.009
8.8000	0.009
9.0000	0.006
9.2000	0.009
9.4000	0.006
9.6000	0.009
9.8000	0.009
10.0000	0.009

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-4S PUMPING WELL ____

DATE 5-17-95 TIME 12:22

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	Step 1	Step 2

TIME OF INSTALLATION 12:22

STATIC DEPTH TO WATER 6.10 FT. — PSI

DEPTH OF TRANSDUCER 13' B.T.O.C.

CALIBRATION

DEPTH 8 FT 2.15 PSI

DEPTH 9 FT 3.19 PSI

DEPTH 10 FT 4.17 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 6.10' B.T.O.C.

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

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

AQTESOLV RESULTS
Version 1.10

05/18/95 15:55:24

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TEST DESCRIPTION

Data set........... cf85s3.set
Data set title..... CEF-8-5S RUN 3

Knowns and Constants:
No. of data points.................. 165
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 6.19
Log(Re/Rw).......................... 2.097
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

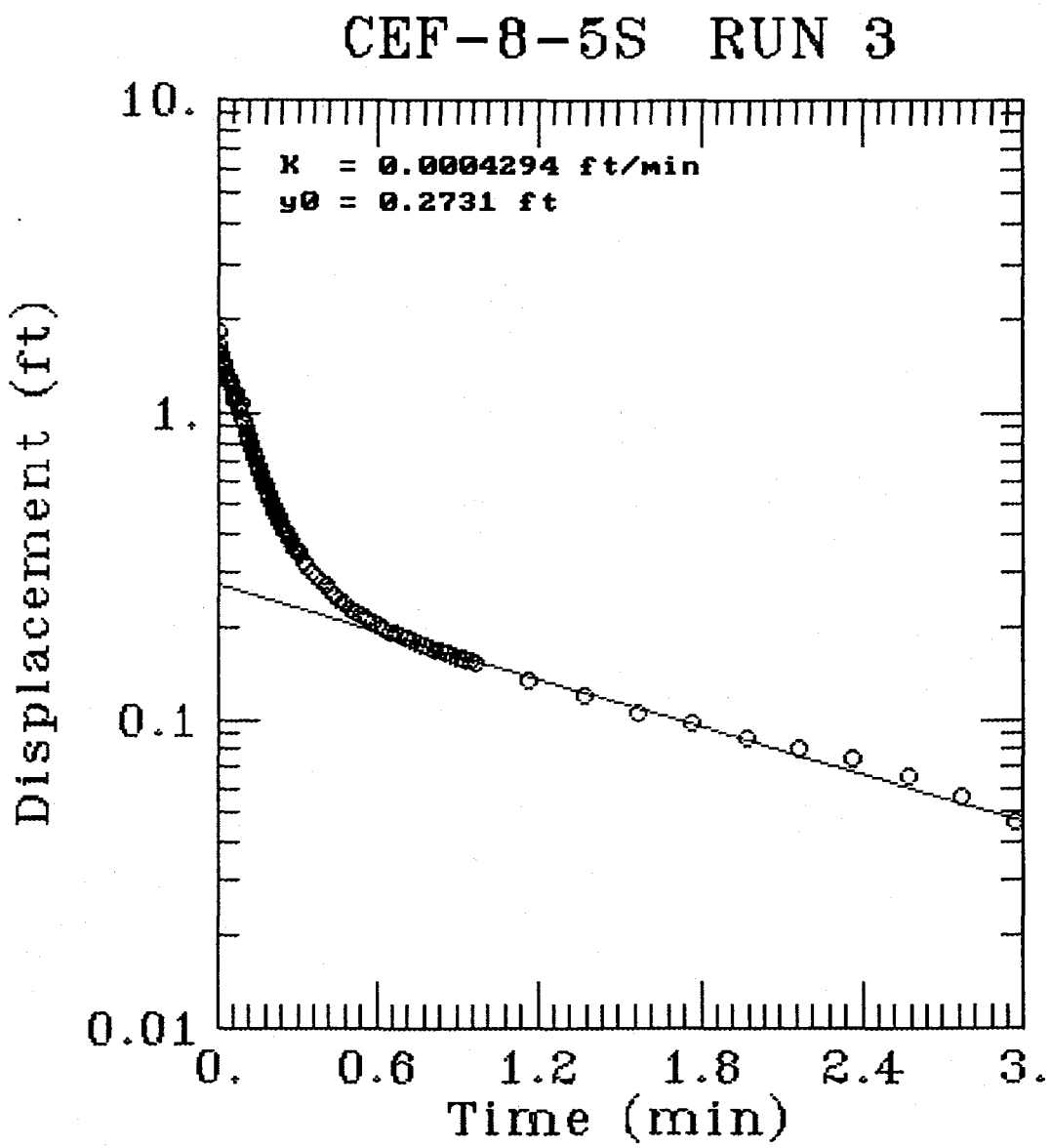
	Estimate
K =	4.7663E-004
y0 =	-6.2564E-039

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

TYPE CURVE DATA

K = 4.29418E-004
y0 = 2.73116E-001

Time	Drawdown	Time	Drawdown
0.000E+000	2.731E-001	3.000E+000	4.655E-002


CEF-8-5S RUN 3
K = 0.0004294 ft/min
y0 = 0.2731 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/18 06:54

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-5S RUN 3

Step 2 05/17 15:41:25

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.222
0.0100	0.706
0.0133	0.991
0.0166	1.073
0.0200	1.233
0.0233	1.418
0.0266	1.427
0.0300	1.813
0.0333	1.659
0.0366	1.559
0.0400	1.528
0.0433	1.484
0.0466	1.465
0.0500	1.443
0.0533	1.418
0.0566	1.390
0.0600	1.355
0.0633	1.342
0.0666	1.324
0.0700	1.289
0.0733	1.273
0.0766	1.245
0.0800	1.255
0.0833	1.208
0.0866	1.167
0.0900	1.085
0.0933	1.120
0.0966	1.129
0.1000	1.148
0.1033	1.070
0.1066	1.054
0.1100	1.026
0.1133	1.010
0.1166	1.073
0.1200	0.957
0.1233	0.957
0.1266	0.931
0.1300	0.916
0.1333	0.894
0.1366	0.881
0.1400	0.859
0.1433	0.844
0.1466	0.825

CEF-8-5S RUN 3

Step 2 05/17 15:41:25

Elapsed Time	INPUT 1
0.1500	0.809
0.1533	0.797
0.1566	0.778
0.1600	0.762
0.1633	0.746
0.1666	0.731
0.1700	0.718
0.1733	0.702
0.1766	0.687
0.1800	0.674
0.1833	0.662
0.1866	0.649
0.1900	0.637
0.1933	0.624
0.1966	0.611
0.2000	0.602
0.2033	0.589
0.2066	0.580
0.2100	0.571
0.2133	0.558
0.2166	0.549
0.2200	0.539
0.2233	0.530
0.2266	0.520
0.2300	0.514
0.2333	0.505
0.2366	0.495
0.2400	0.489
0.2433	0.480
0.2466	0.473
0.2500	0.467
0.2533	0.461
0.2566	0.455
0.2600	0.448
0.2633	0.442
0.2666	0.436
0.2700	0.429
0.2733	0.423
0.2766	0.417
0.2800	0.411
0.2833	0.407
0.2866	0.401
0.2900	0.398
0.2933	0.392
0.2966	0.389
0.3000	0.386
0.3033	0.379
0.3066	0.376
0.3100	0.373
0.3133	0.367
0.3166	0.364
0.3200	0.360
0.3233	0.357
0.3266	0.354
0.3300	0.351
0.3333	0.348
0.3500	0.329
0.3666	0.316
0.3833	0.304
0.4000	0.291
0.4166	0.279
0.4333	0.273
0.4500	0.263

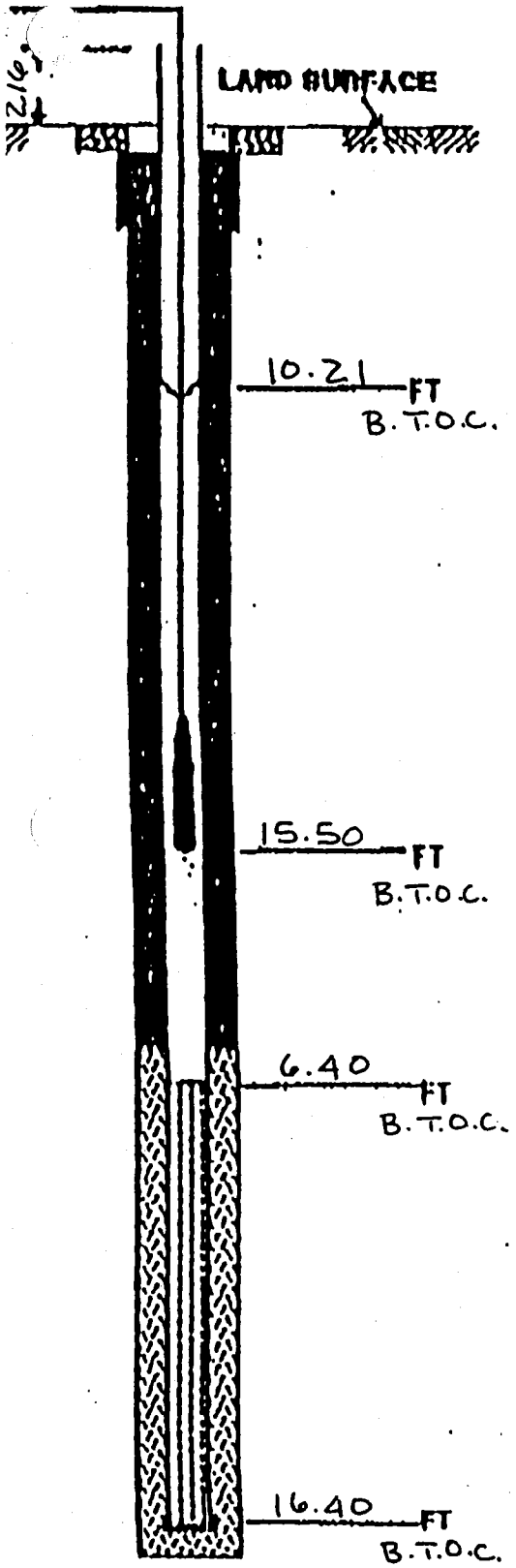
CEF-8-5S RUN 3
(CON'T) PAGE 2
Step 2 05/17 15:41:25

Elapsed Time	INPUT 1
0.4666	0.254
0.4833	0.247
0.5000	0.241
0.5166	0.235
0.5333	0.229
0.5500	0.225
0.5666	0.219
0.5833	0.216
0.6000	0.210
0.6166	0.207
0.6333	0.204
0.6500	0.200
0.6666	0.197
0.6833	0.194
0.7000	0.191
0.7166	0.188
0.7333	0.185
0.7500	0.185
0.7666	0.182
0.7833	0.178
0.8000	0.175
0.8166	0.175
0.8333	0.172
0.8500	0.169
0.8666	0.169
0.8833	0.166
0.9000	0.166
0.9166	0.163
0.9333	0.160
0.9500	0.160
0.9666	0.156
0.9833	0.156
1.0000	0.153
1.2000	0.134
1.4000	0.119
1.6000	0.106
1.8000	0.097
2.0000	0.087
2.2000	0.081
2.4000	0.075
2.6000	0.065
2.8000	0.056
3.0000	0.047
3.2000	0.040
3.4000	0.034
3.6000	0.031
3.8000	0.028
4.0000	0.025
4.2000	0.021
4.4000	0.021
4.6000	0.018
4.8000	0.018
5.0000	0.018
5.2000	0.015
5.4000	0.015
5.6000	0.015
5.8000	0.015
6.0000	0.015
6.2000	0.015
6.4000	0.015
6.6000	0.015
6.8000	0.015
7.0000	0.015

CEF-8-5S RUN 3
(CON'T) PAGE 2
Step 2 05/17 15:41:25

Elapsed Time	INPUT 1
7.2000	0.015
7.4000	0.012
7.6000	0.012
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.012
8.6000	0.012
8.8000	0.012
9.0000	0.012
9.2000	0.012
9.4000	0.012
9.6000	0.015
9.8000	0.018
10.0000	0.018

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-5S PUMPING WELL ____

DATE 5-17-95 TIME 15:05

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

TEST DURATION R1 10 (SEL 2), R2 10 (Step 1), R3 10 (Step 2)

TIME OF INSTALLATION 15:05

STATIC DEPTH TO WATER 10.21 FT. — PSI

DEPTH OF TRANSDUCER 15.5

CALIBRATION
- DEPTH 12 FT 2.18 PSI
- DEPTH 13 FT 3.21 PSI
- DEPTH 14 FT 4.23 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 10.21' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)

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

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

AQTESOLV RESULTS
Version 1.10

06/05/95 15:46:58

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TEST DESCRIPTION

Data set........... cf86s2.set
Data set title..... CEF-8-6S RUN 2

Knowns and Constants:
No. of data points.................. 350
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 8.1
Log(Re/Rw)........................... 2.222
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

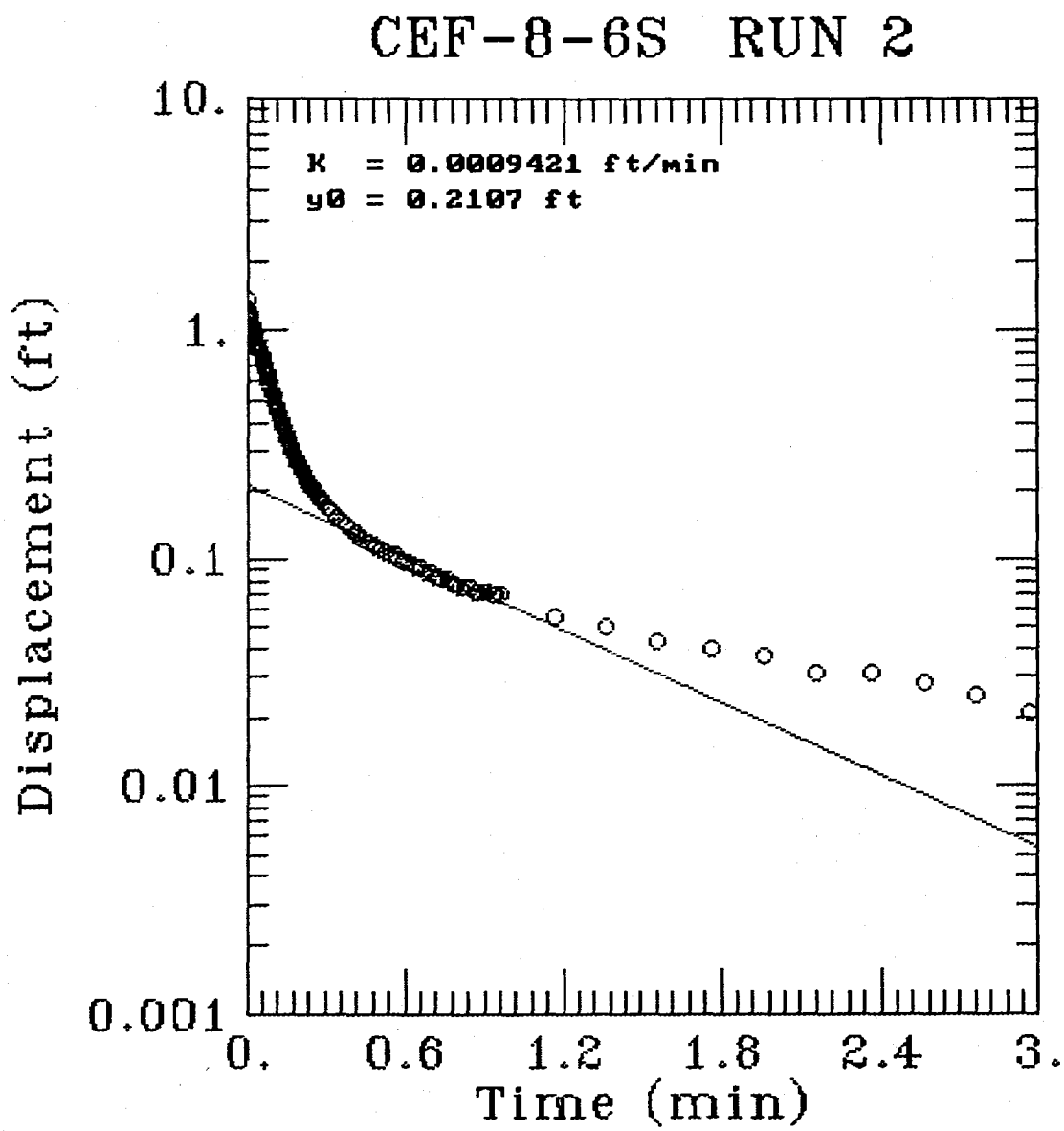
Estimate
K = 9.4206E-004
y0 = -1.2881E+209

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

TYPE CURVE DATA

K = 9.42064E-004
y0 = 2.10728E-001

Time	Drawdown	Time	Drawdown
0.000E+000	2.107E-001	3.000E+000	5.402E-003


CEF-8-6S RUN 2
K = 0.0009421 ft/min
y0 = 0.2107 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
06/02 14:59

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-6S RUN 2

Step 1 06/02 10:12:26

Elapsed Time	INPUT 1
0.0000	0.006
0.0033	0.034
0.0066	0.373
0.0100	0.580
0.0133	0.562
0.0166	0.273
0.0200	0.094
0.0233	0.609
0.0266	0.907
0.0300	0.879
0.0333	1.189
0.0366	1.356
0.0400	1.221
0.0433	1.211
0.0466	1.177
0.0500	1.133
0.0533	1.105
0.0566	1.070
0.0600	1.042
0.0633	1.010
0.0666	0.979
0.0700	0.951
0.0733	0.923
0.0766	0.894
0.0800	0.869
0.0833	0.844
0.0866	0.822
0.0900	0.797
0.0933	0.772
0.0966	0.750
0.1000	0.725
0.1033	0.712
0.1066	0.687
0.1100	0.668
0.1133	0.649
0.1166	0.631
0.1200	0.612
0.1233	0.593
0.1266	0.577
0.1300	0.562
0.1333	0.546
0.1366	0.530
0.1400	0.518
0.1433	0.502
0.1466	0.489

CEF-8-6S RUN 2

Step 1 06/02 10:12:26

Elapsed Time	INPUT 1
0.1500	0.477
0.1533	0.461
0.1566	0.452
0.1600	0.439
0.1633	0.427
0.1666	0.417
0.1700	0.405
0.1733	0.395
0.1766	0.386
0.1800	0.376
0.1833	0.367
0.1866	0.357
0.1900	0.351
0.1933	0.342
0.1966	0.336
0.2000	0.326
0.2033	0.320
0.2066	0.314
0.2100	0.307
0.2133	0.301
0.2166	0.295
0.2200	0.288
0.2233	0.282
0.2266	0.279
0.2300	0.273
0.2333	0.266
0.2366	0.263
0.2400	0.257
0.2433	0.254
0.2466	0.251
0.2500	0.244
0.2533	0.241
0.2566	0.238
0.2600	0.235
0.2633	0.229
0.2666	0.226
0.2700	0.222
0.2733	0.219
0.2766	0.216
0.2800	0.213
0.2833	0.210
0.2866	0.210
0.2900	0.207
0.2933	0.204
0.2966	0.200
0.3000	0.197
0.3033	0.194
0.3066	0.194
0.3100	0.191
0.3133	0.188
0.3166	0.188
0.3200	0.185
0.3233	0.182
0.3266	0.182
0.3300	0.178
0.3333	0.178
0.3500	0.169
0.3666	0.160
0.3833	0.153
0.4000	0.147
0.4166	0.141
0.4333	0.135
0.4500	0.131

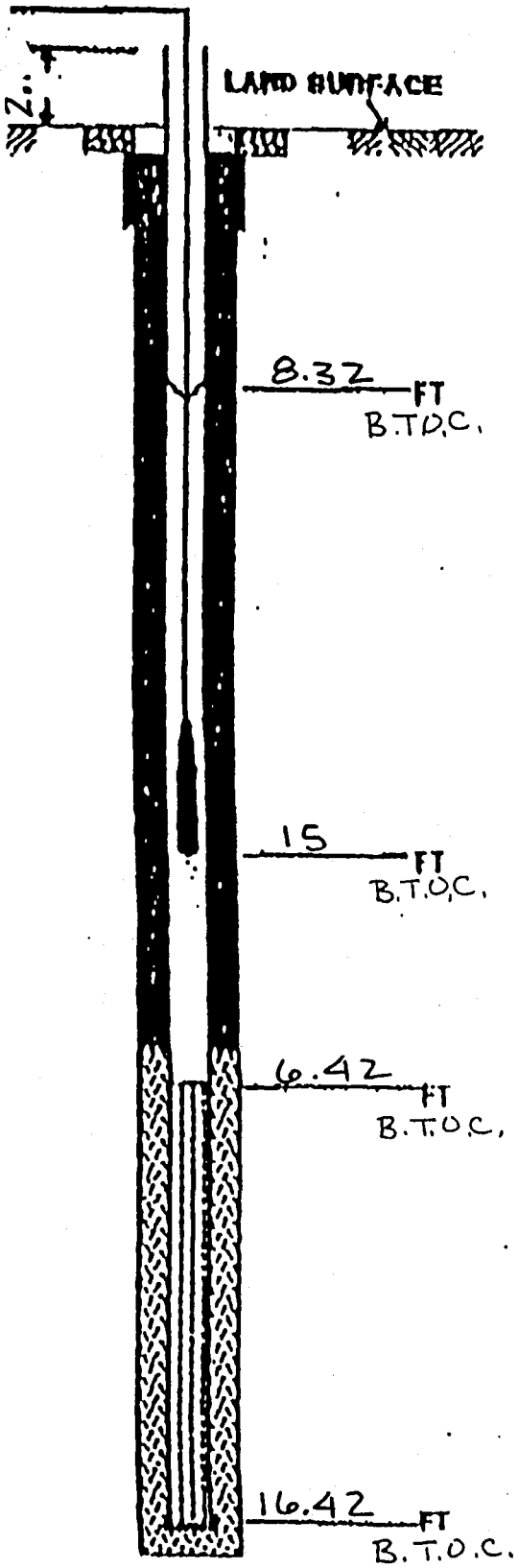
CEF-8-6S RUN 2
(CON'T) PAGE 2
Step 1 06/02 10:12:26

Elapsed Time	INPUT 1
0.4666	0.125
0.4833	0.122
0.5000	0.119
0.5166	0.116
0.5333	0.113
0.5500	0.109
0.5666	0.106
0.5833	0.103
0.6000	0.103
0.6166	0.100
0.6333	0.097
0.6500	0.097
0.6666	0.094
0.6833	0.091
0.7000	0.091
0.7166	0.087
0.7333	0.087
0.7500	0.084
0.7666	0.084
0.7833	0.081
0.8000	0.081
0.8166	0.078
0.8333	0.078
0.8500	0.075
0.8666	0.075
0.8833	0.075
0.9000	0.072
0.9166	0.072
0.9333	0.072
0.9500	0.072
0.9666	0.069
0.9833	0.069
1.0000	0.069
1.2000	0.056
1.4000	0.050
1.6000	0.043
1.8000	0.040
2.0000	0.037
2.2000	0.031
2.4000	0.031
2.6000	0.028
2.8000	0.025
3.0000	0.021
3.2000	0.021
3.4000	0.018
3.6000	0.018
3.8000	0.018
4.0000	0.015
4.2000	0.015
4.4000	0.015
4.6000	0.015
4.8000	0.012
5.0000	0.012
5.2000	0.012
5.4000	0.012
5.6000	0.009
5.8000	0.009
6.0000	0.009
6.2000	0.009
6.4000	0.009
6.6000	0.009
6.8000	0.009
7.0000	0.009

CEF-8-6S RUN 2
(CON'T) PAGE 2
Step 1 06/02 10:12:26

Elapsed Time	INPUT 1
7.2000	0.009
7.4000	0.009
7.6000	0.009
7.8000	0.009
8.0000	0.009
8.2000	0.009
8.4000	0.009
8.6000	0.009
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

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-6S PUMPING WELL ____

DATE 6-2-95 TIME 09:49

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 1	Step 1	Step 2

TIME OF INSTALLATION 09:49

STATIC DEPTH TO WATER 8.32 FT. ____ PSI

DEPTH OF TRANSDUCER 15 B.T.O.C.

CALIBRATION
DEPTH 10 FT 1.99 PSI
DEPTH 11 FT 3.04 PSI
DEPTH 12 FT 4.06 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.32 B.T.O.C.

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

05/18/95 13:44:54

==

TEST DESCRIPTION

Data set........... cf87s3.set
Data set title..... CEF-8-7S RUN 3

Knowns and Constants:
No. of data points.................. 135
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 9.77
Log(Re/Rw).......................... 2.306
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

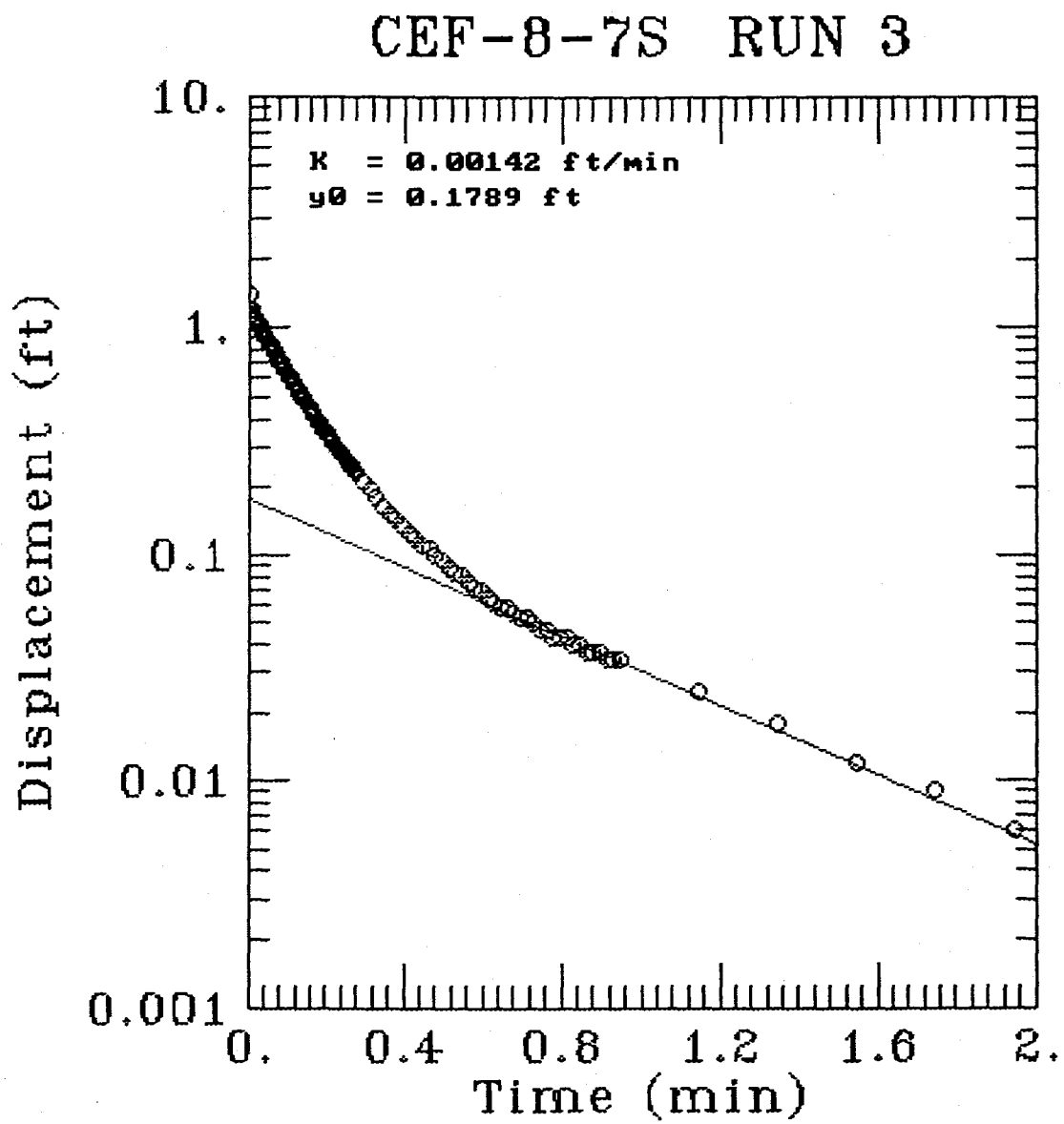
	Estimate
K =	1.9779E-003
y0 =	-6.2564E-039

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

TYPE CURVE DATA

K = 1.41961E-003
y0 = 1.78932E-001

Time	Drawdown	Time	Drawdown
0.000E+000	1.789E-001	2.000E+000	5.157E-003


CEF-8-7S RUN 3
K = 0.00142 ft/min
y0 = 0.1789 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/16 17:59

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-7S RUN 3

Step 2 05/16 16:27:56

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.000
0.0100	0.530
0.0133	0.794
0.0166	0.787
0.0200	0.565
0.0233	0.367
0.0266	0.310
0.0300	0.269
0.0333	0.568
0.0366	0.699
0.0400	0.891
0.0433	0.963
0.0466	1.107
0.0500	1.139
0.0533	1.412
0.0566	1.208
0.0600	1.189
0.0633	1.151
0.0666	1.117
0.0700	1.095
0.0733	1.064
0.0766	1.048
0.0800	1.020
0.0833	0.998
0.0866	0.966
0.0900	0.951
0.0933	0.932
0.0966	0.913
0.1000	0.888
0.1033	0.869
0.1066	0.847
0.1100	0.838
0.1133	0.812
0.1166	0.797
0.1200	0.775
0.1233	0.762
0.1266	0.743
0.1300	0.728
0.1333	0.715
0.1366	0.699
0.1400	0.684
0.1433	0.668
0.1466	0.656

CEF-8-7S RUN 3

Step 2 05/16 16:27:56

Elapsed Time	INPUT 1
0.1500	0.643
0.1533	0.630
0.1566	0.615
0.1600	0.602
0.1633	0.590
0.1666	0.577
0.1700	0.568
0.1733	0.555
0.1766	0.546
0.1800	0.533
0.1833	0.524
0.1866	0.511
0.1900	0.502
0.1933	0.492
0.1966	0.483
0.2000	0.474
0.2033	0.464
0.2066	0.455
0.2100	0.445
0.2133	0.436
0.2166	0.430
0.2200	0.420
0.2233	0.411
0.2266	0.404
0.2300	0.395
0.2333	0.389
0.2366	0.383
0.2400	0.373
0.2433	0.367
0.2466	0.361
0.2500	0.354
0.2533	0.348
0.2566	0.342
0.2600	0.335
0.2633	0.329
0.2666	0.323
0.2700	0.317
0.2733	0.310
0.2766	0.307
0.2800	0.301
0.2833	0.298
0.2866	0.291
0.2900	0.285
0.2933	0.282
0.2966	0.276
0.3000	0.273
0.3033	0.266
0.3066	0.263
0.3100	0.260
0.3133	0.254
0.3166	0.251
0.3200	0.247
0.3233	0.241
0.3266	0.238
0.3300	0.235
0.3333	0.232
0.3500	0.213
0.3666	0.197
0.3833	0.182
0.4000	0.166
0.4166	0.153
0.4333	0.144
0.4500	0.134

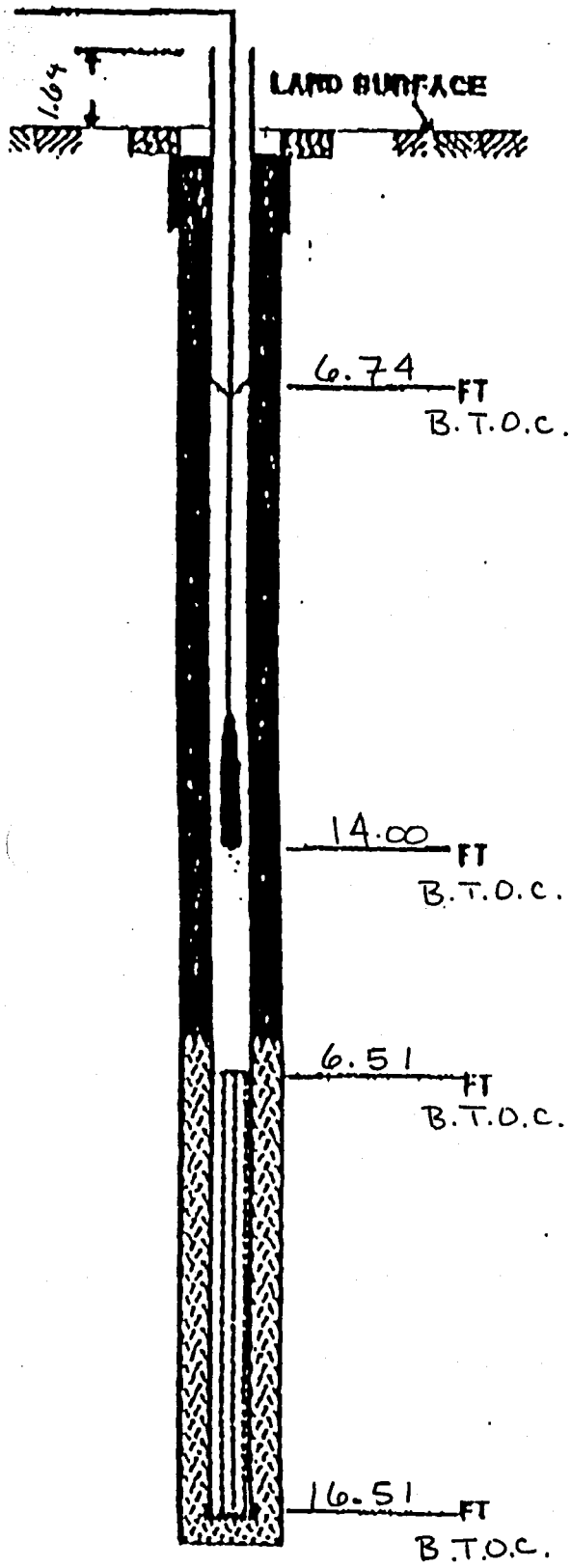
CEF-8-7S RUN 3
(CON'T) PAGE 2
Step 2 05/16 16:27:56

Elapsed Time	INPUT 1
0.4666	0.125
0.4833	0.119
0.5000	0.109
0.5166	0.106
0.5333	0.100
0.5500	0.094
0.5666	0.087
0.5833	0.084
0.6000	0.081
0.6166	0.075
0.6333	0.072
0.6500	0.069
0.6666	0.065
0.6833	0.062
0.7000	0.059
0.7166	0.059
0.7333	0.056
0.7500	0.053
0.7666	0.053
0.7833	0.050
0.8000	0.047
0.8166	0.047
0.8333	0.043
0.8500	0.043
0.8666	0.043
0.8833	0.040
0.9000	0.040
0.9166	0.037
0.9333	0.037
0.9500	0.037
0.9666	0.034
0.9833	0.034
1.0000	0.034
1.2000	0.025
1.4000	0.018
1.6000	0.012
1.8000	0.009
2.0000	0.006
2.2000	0.003
2.4000	0.003
2.6000	0.003
2.8000	0.003
3.0000	0.003
3.2000	0.000
3.4000	0.003
3.6000	0.003
3.8000	0.003
4.0000	0.006
4.2000	0.006
4.4000	0.006
4.6000	0.009
4.8000	0.009
5.0000	0.009
5.2000	0.009
5.4000	0.012
5.6000	0.012
5.8000	0.015
6.0000	0.018
6.2000	0.018
6.4000	0.021
6.6000	0.025
6.8000	0.025
7.0000	0.028

CEF-8-7S RUN 3
(CON'T) PAGE 2
Step 2 05/16 16:27:56

Elapsed Time	INPUT 1
7.2000	0.028
7.4000	0.031
7.6000	0.034
7.8000	0.037
8.0000	0.037
8.2000	0.040
8.4000	0.043
8.6000	0.043
8.8000	0.047
9.0000	0.050
9.2000	0.050
9.4000	0.050
9.6000	0.050
9.8000	0.053
10.0000	0.053

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-7S PUMPING WELL ____

DATE 5-16-95 TIME 1556

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	Step 1	Step 2

TIME OF INSTALLATION 1556

STATIC DEPTH TO WATER 6.74 FT. — ~~PSI~~

DEPTH OF TRANSDUCER 14' B.T.O.C.

CALIBRATION

DEPTH 12 FT 4.70 ~~PSI~~

DEPTH 13 FT 5.74 ~~PSI~~

DEPTH 14 FT 6.75 ~~PSI~~

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 6.74 B.T.O.C.

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

05/18/95 13:54:09

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TEST DESCRIPTION

Data set........... cf88i2.set
Data set title..... CEF-8-8I RUN 2

Knowns and Constants:
- No. of data points.................. 174
- Radius of well casing............... 0.08333
- Radius of well...................... 0.25
- Aquifer saturated thickness......... 90
- Well screen length.................. 10
- Static height of water in well...... 58.3
- Log(Re/Rw).......................... 3.077
- A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

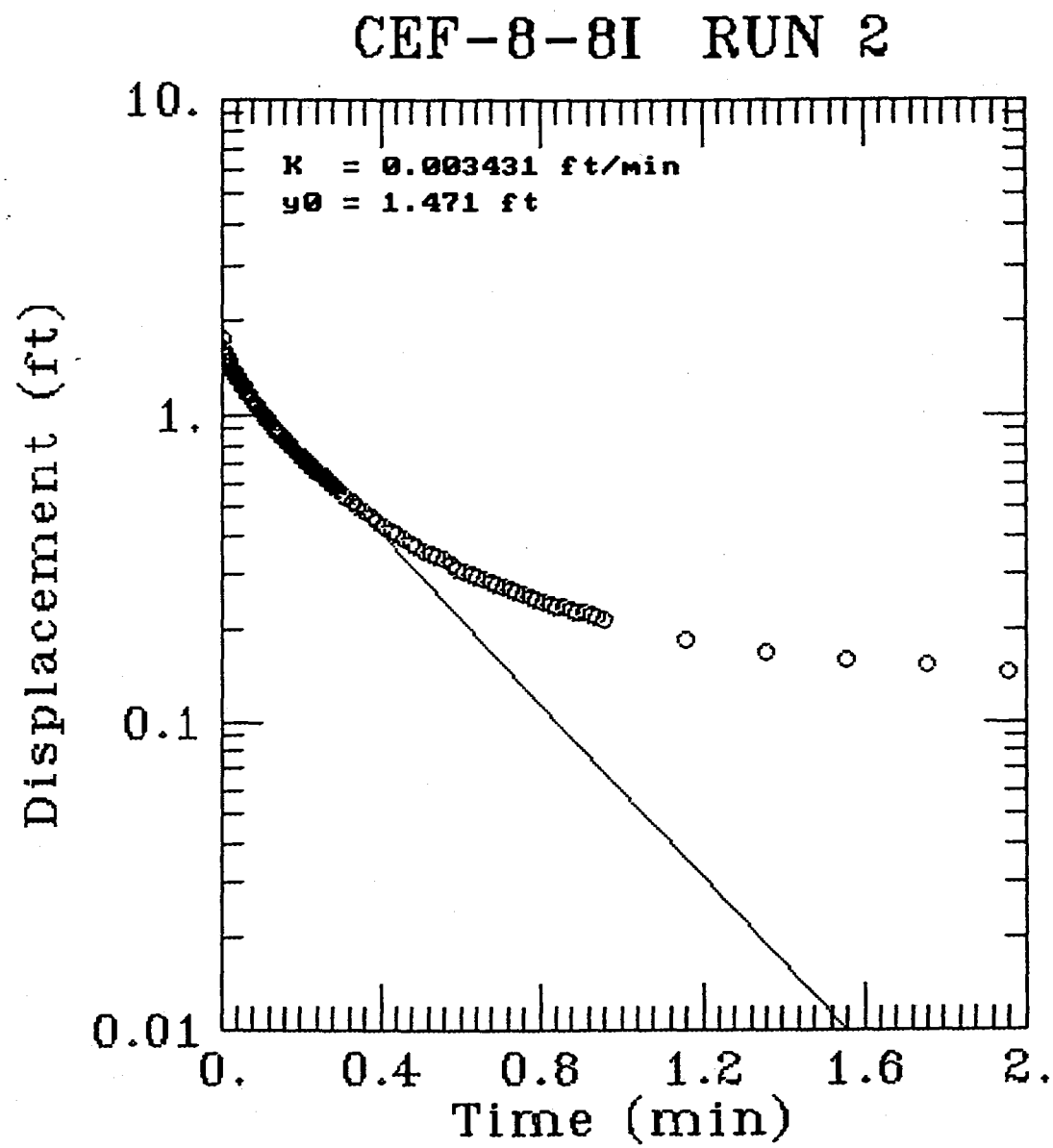
	Estimate
K =	3.6968E-004
y0 =	-6.2564E-039

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

TYPE CURVE DATA

K = 3.43116E-003
y0 = 1.47121E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.471E+000	2.000E+000	2.388E-003


CEF-8-8I RUN 2
K = 0.003431 ft/min
y0 = 1.471 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/16 18:04

Unit# 00008 Test 1

Setups: INPUT 1

Type Level (F)
Mode TOC
I.D. 15868

Reference 0.000
Linearity 0.050
Scale factor 9.990
Offset 0.020
Delay mSEC 50.000

CEF-8-8I RUN 2

Step 1 05/16 17:11:03

Elapsed Time	INPUT 1
0.0000	0.125
0.0033	0.128
0.0066	0.113
0.0100	0.307
0.0133	1.551
0.0166	1.448
0.0200	1.488
0.0233	1.017
0.0266	1.309
0.0300	1.397
0.0333	1.548
0.0366	1.711
0.0400	1.746
0.0433	1.611
0.0466	1.586
0.0500	1.545
0.0533	1.539
0.0566	1.479
0.0600	1.476
0.0633	1.426
0.0666	1.404
0.0700	1.372
0.0733	1.363
0.0766	1.331
0.0800	1.313
0.0833	1.287
0.0866	1.272
0.0900	1.253
0.0933	1.234
0.0966	1.215
0.1000	1.231
0.1033	1.181
0.1066	1.149
0.1100	1.146
0.1133	1.155
0.1166	1.115
0.1200	1.115
0.1233	1.093
0.1266	1.077
0.1300	1.064
0.1333	1.046
0.1366	1.033
0.1400	1.020
0.1433	1.008
0.1466	0.995

CEF-8-8I RUN 2

Step 1 05/16 17:11:03

Elapsed Time	INPUT 1
0.1500	0.983
0.1533	0.970
0.1566	0.961
0.1600	0.948
0.1633	0.939
0.1666	0.926
0.1700	0.917
0.1733	0.904
0.1766	0.895
0.1800	0.885
0.1833	0.876
0.1866	0.867
0.1900	0.857
0.1933	0.848
0.1966	0.838
0.2000	0.829
0.2033	0.819
0.2066	0.810
0.2100	0.804
0.2133	0.794
0.2166	0.785
0.2200	0.779
0.2233	0.769
0.2266	0.763
0.2300	0.753
0.2333	0.747
0.2366	0.741
0.2400	0.731
0.2433	0.725
0.2466	0.719
0.2500	0.713
0.2533	0.706
0.2566	0.697
0.2600	0.691
0.2633	0.684
0.2666	0.678
0.2700	0.672
0.2733	0.666
0.2766	0.659
0.2800	0.656
0.2833	0.650
0.2866	0.644
0.2900	0.637
0.2933	0.631
0.2966	0.628
0.3000	0.622
0.3033	0.615
0.3066	0.609
0.3100	0.606
0.3133	0.600
0.3166	0.596
0.3200	0.590
0.3233	0.587
0.3266	0.581
0.3300	0.574
0.3333	0.571
0.3500	0.546
0.3666	0.524
0.3833	0.505
0.4000	0.483
0.4166	0.468
0.4333	0.449
0.4500	0.433

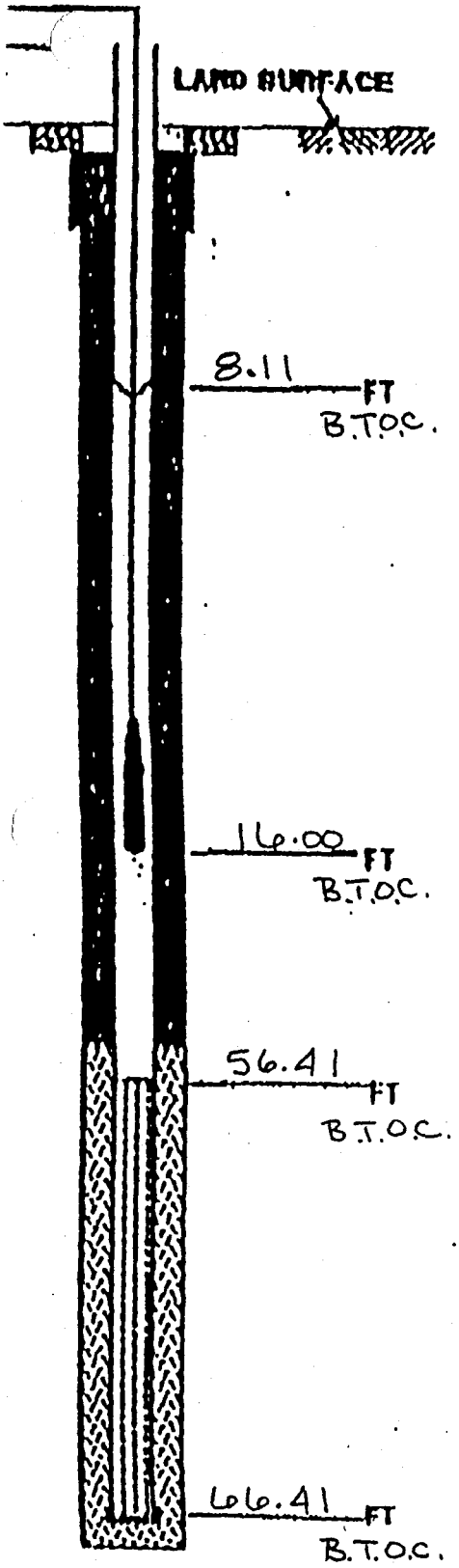
CEF-8-8I RUN 2
(CON'T) PAGE 2
Step 1 05/16 17:11:03

Elapsed Time	INPUT 1
0.4666	0.420
0.4833	0.408
0.5000	0.395
0.5166	0.383
0.5333	0.370
0.5500	0.361
0.5666	0.351
0.5833	0.342
0.6000	0.336
0.6166	0.326
0.6333	0.317
0.6500	0.311
0.6666	0.304
0.6833	0.298
0.7000	0.292
0.7166	0.285
0.7333	0.279
0.7500	0.273
0.7666	0.270
0.7833	0.263
0.8000	0.260
0.8166	0.254
0.8333	0.251
0.8500	0.248
0.8666	0.241
0.8833	0.238
0.9000	0.235
0.9166	0.232
0.9333	0.229
0.9500	0.226
0.9666	0.223
0.9833	0.219
1.0000	0.216
1.2000	0.185
1.4000	0.169
1.6000	0.160
1.8000	0.153
2.0000	0.144
2.2000	0.138
2.4000	0.131
2.6000	0.125
2.8000	0.122
3.0000	0.122
3.2000	0.119
3.4000	0.113
3.6000	0.109
3.8000	0.109
4.0000	0.106
4.2000	0.103
4.4000	0.103
4.6000	0.100
4.8000	0.100
5.0000	0.097
5.2000	0.094
5.4000	0.091
5.6000	0.087
5.8000	0.087
6.0000	0.081
6.2000	0.078
6.4000	0.075
6.6000	0.075
6.8000	0.075
7.0000	0.072

CEF-8-8I RUN 2
(CON'T) PAGE 2
Step 1 05/16 17:11:03

Elapsed Time	INPUT 1
7.2000	0.069
7.4000	0.062
7.6000	0.059
7.8000	0.056
8.0000	0.056
8.2000	0.056
8.4000	0.053
8.6000	0.053
8.8000	0.050
9.0000	0.050
9.2000	0.047
9.4000	0.043
9.6000	0.040
9.8000	0.037
10.0000	0.037

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-8I PUMPING WELL ____

DATE 5-16-95 TIME 1656

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

TEST DURATION R1 10 (SEL 1), R2 10 (Step 1), R3 10 (Step 2)

TIME OF INSTALLATION 1656

STATIC DEPTH TO WATER 8.11 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION
- DEPTH 12 FT 4.01 PSI
- DEPTH 13 FT 5.05 PSI
- DEPTH 14 FT 6.10 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.11' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)

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

05/18/95 14:07:58

==

TEST DESCRIPTION

Data set........... cf89s3.set
Data set title..... CEF-8-9S RUN 3

Knowns and Constants:
- No. of data points.................. 137
- Radius of well casing............... 0.08333
- Radius of well...................... 0.25
- Aquifer saturated thickness......... 90
- Well screen length.................. 10
- Static height of water in well...... 18.2
- Log(Re/Rw).......................... 2.571
- A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

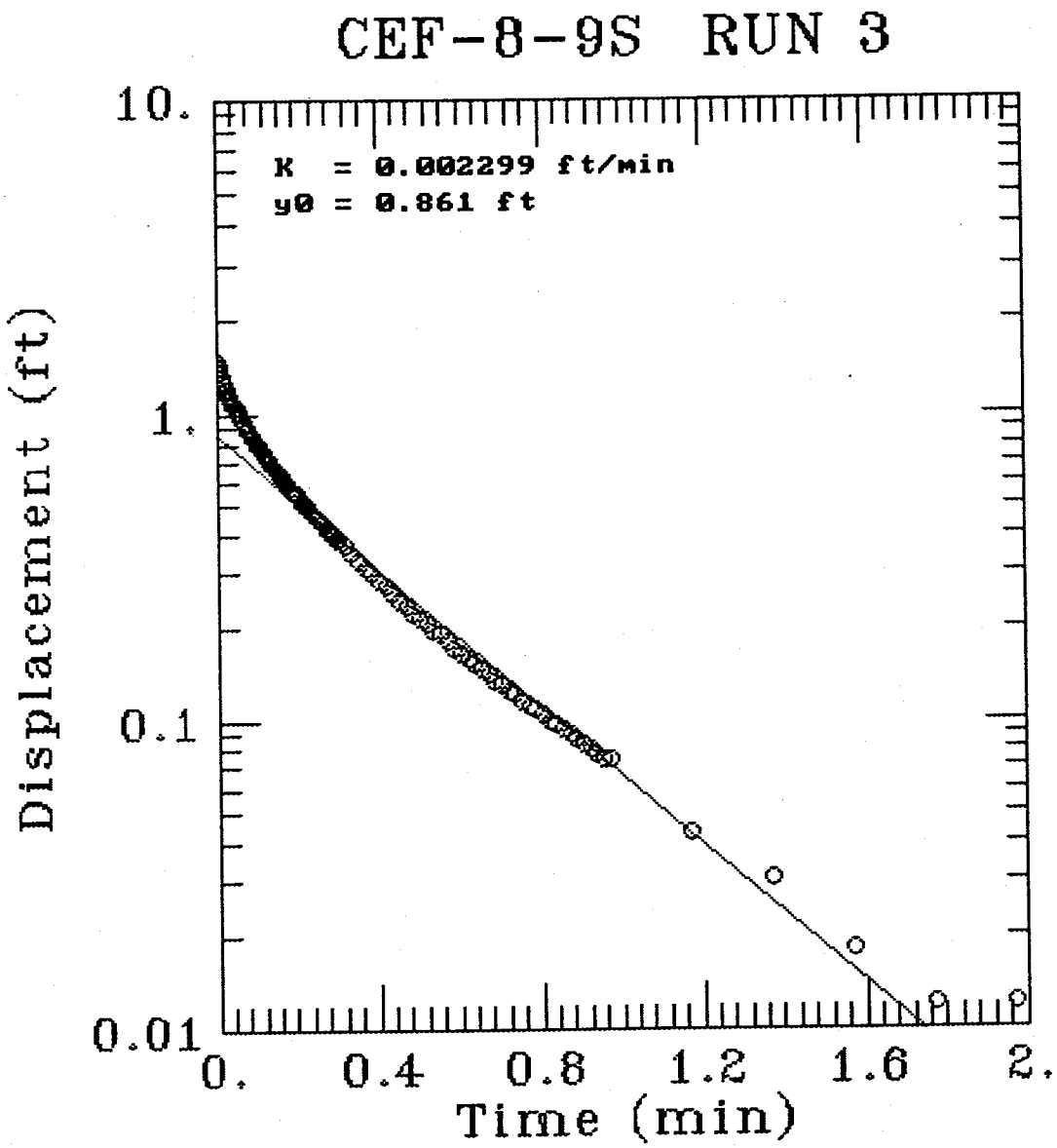
	Estimate
K =	2.4195E-003
y0 =	-6.2564E-039

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

TYPE CURVE DATA

K = 2.29866E-003
y0 = 8.61045E-001

Time	Drawdown	Time	Drawdown
0.000E+000	8.610E-001	2.000E+000	4.995E-003


CEF-8-9S RUN 3
K = 0.002299 ft/min
y0 = 0.861 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/18 06:46

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-9S RUN 3

Step 2 05/17 14:12:36

Elapsed Time	INPUT 1
0.0000	-0.003
0.0033	-0.003
0.0066	-0.003
0.0100	-0.003
0.0133	0.012
0.0166	0.784
0.0200	0.935
0.0233	1.148
0.0266	1.318
0.0300	1.471
0.0333	1.424
0.0366	1.418
0.0400	1.358
0.0433	1.311
0.0466	1.277
0.0500	1.242
0.0533	1.205
0.0566	1.195
0.0600	1.167
0.0633	1.139
0.0666	1.117
0.0700	1.098
0.0733	1.076
0.0766	1.057
0.0800	1.045
0.0833	1.016
0.0866	1.004
0.0900	0.982
0.0933	0.963
0.0966	0.950
0.1000	0.935
0.1033	0.919
0.1066	0.907
0.1100	0.891
0.1133	0.878
0.1166	0.866
0.1200	0.850
0.1233	0.837
0.1266	0.825
0.1300	0.812
0.1333	0.800
0.1366	0.790
0.1400	0.778
0.1433	0.768
0.1466	0.756

CEF-8-9S RUN 3

Step 2 05/17 14:12:36

Elapsed Time	INPUT 1
0.1500	0.746
0.1533	0.737
0.1566	0.725
0.1600	0.715
0.1633	0.706
0.1666	0.696
0.1700	0.687
0.1733	0.677
0.1766	0.668
0.1800	0.662
0.1833	0.652
0.1866	0.643
0.1900	0.637
0.1933	0.627
0.1966	0.621
0.2000	0.612
0.2033	0.605
0.2066	0.596
0.2100	0.590
0.2133	0.580
0.2166	0.574
0.2200	0.568
0.2233	0.561
0.2266	0.555
0.2300	0.549
0.2333	0.542
0.2366	0.536
0.2400	0.530
0.2433	0.524
0.2466	0.517
0.2500	0.511
0.2533	0.505
0.2566	0.499
0.2600	0.492
0.2633	0.489
0.2666	0.483
0.2700	0.477
0.2733	0.473
0.2766	0.467
0.2800	0.461
0.2833	0.458
0.2866	0.451
0.2900	0.448
0.2933	0.442
0.2966	0.439
0.3000	0.433
0.3033	0.429
0.3066	0.423
0.3100	0.420
0.3133	0.414
0.3166	0.411
0.3200	0.408
0.3233	0.401
0.3266	0.398
0.3300	0.395
0.3333	0.389
0.3500	0.370
0.3666	0.351
0.3833	0.332
0.4000	0.317
0.4166	0.301
0.4333	0.285
0.4500	0.273

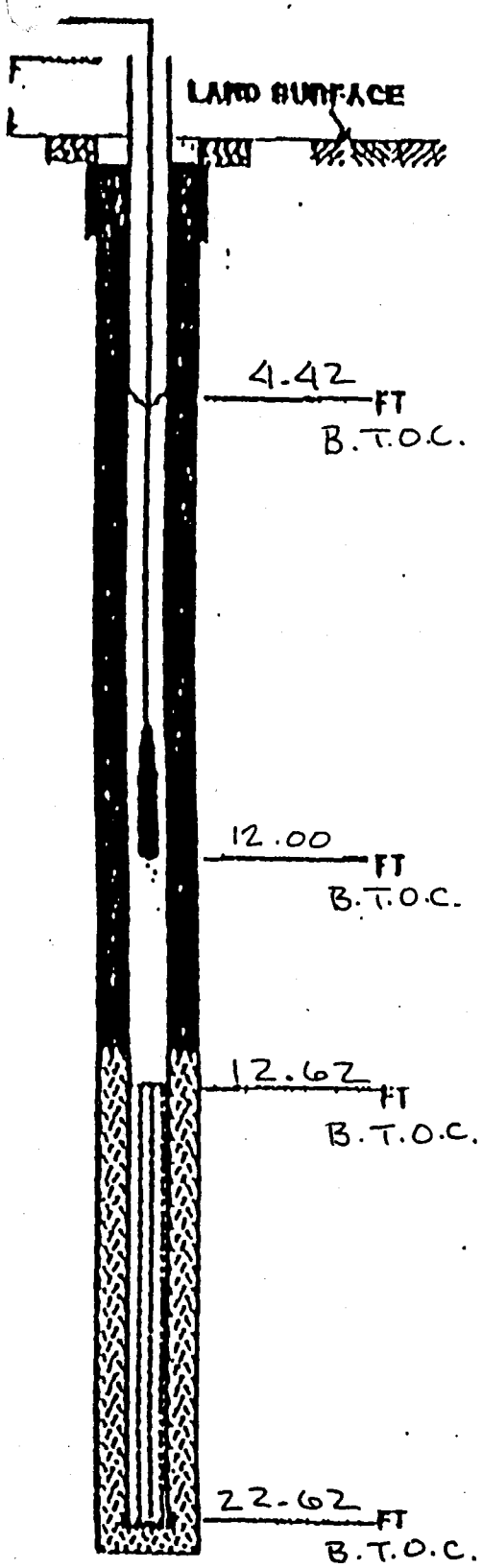
CEF-8-9S RUN 3
(CON'T) PAGE 2
Step 2 05/17 14:12:36

Elapsed Time	INPUT 1
0.4666	0.260
0.4833	0.247
0.5000	0.238
0.5166	0.225
0.5333	0.216
0.5500	0.207
0.5666	0.197
0.5833	0.191
0.6000	0.182
0.6166	0.172
0.6333	0.166
0.6500	0.160
0.6666	0.153
0.6833	0.147
0.7000	0.141
0.7166	0.134
0.7333	0.131
0.7500	0.125
0.7666	0.122
0.7833	0.116
0.8000	0.112
0.8166	0.109
0.8333	0.106
0.8500	0.100
0.8666	0.097
0.8833	0.094
0.9000	0.091
0.9166	0.087
0.9333	0.084
0.9500	0.081
0.9666	0.078
0.9833	0.075
1.0000	0.075
1.2000	0.043
1.4000	0.031
1.6000	0.018
1.8000	0.012
2.0000	0.012
2.2000	0.018
2.4000	0.025
2.6000	0.031
2.8000	0.037
3.0000	0.043
3.2000	0.050
3.4000	0.056
3.6000	0.059
3.8000	0.059
4.0000	0.059
4.2000	0.056
4.4000	0.053
4.6000	0.050
4.8000	0.050
5.0000	0.050
5.2000	0.053
5.4000	0.050
5.6000	0.050
5.8000	0.047
6.0000	0.047
6.2000	0.043
6.4000	0.043
6.6000	0.040
6.8000	0.037
7.0000	0.037

CEF-8-9S RUN 3
(CON'T) PAGE 2
Step 2 05/17 14:12:36

Elapsed Time	INPUT 1
7.2000	0.037
7.4000	0.037
7.6000	0.034
7.8000	0.034
8.0000	0.031
8.2000	0.031
8.4000	0.028
8.6000	0.028
8.8000	0.028
9.0000	0.025
9.2000	0.025
9.4000	0.028
9.6000	0.034
9.8000	0.034
10.0000	0.034

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-95 PUMPING WELL ____

DATE 5-17-95 TIME 13:34

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL1	Step1	Step2

TIME OF INSTALLATION 13:34

STATIC DEPTH TO WATER 4.42 FT. — PSI

DEPTH OF TRANSDUCER 12' B.T.O.C.

CALIBRATION
DEPTH 8 FT 3.77 PSI
DEPTH 9 FT 4.83 PSI
DEPTH 10 FT 5.82 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 4.42' B.T.O.C.

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

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

AQTESOLV RESULTS
Version 1.10

05/19/95 10:39:50

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TEST DESCRIPTION

Data set........... cf810s1.set
Data set title..... CEF-8-10S RUN 1

Knowns and Constants:
No. of data points.................. 145
Radius of well casing............... 0.08333
Radius of well..................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 9.68
Log(Re/Rw).......................... 2.302
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

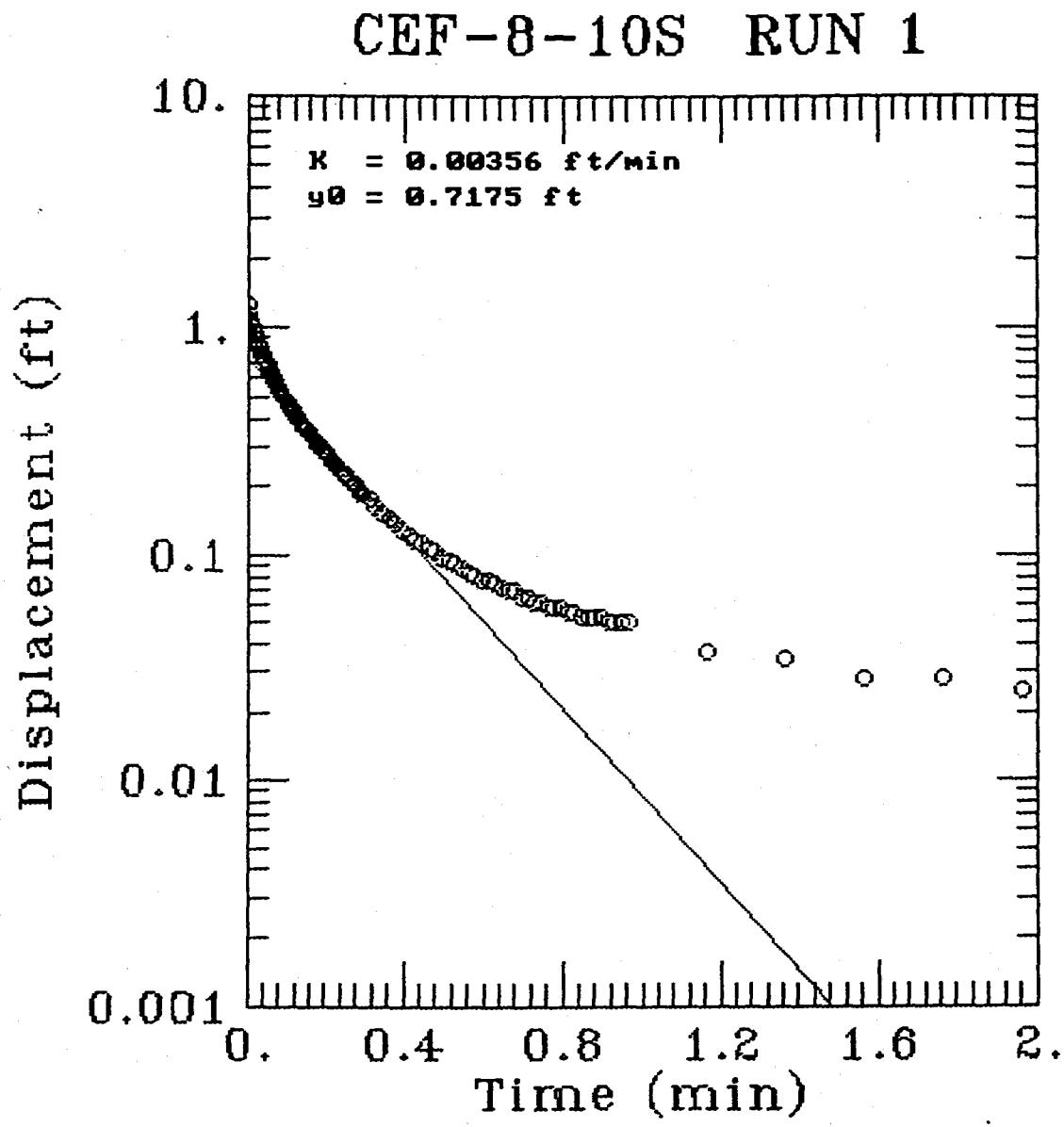
Estimate
K = 9.3150E-004
y0 = -4.8807E-246

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

TYPE CURVE DATA

K = 3.55968E-003
y0 = 7.17528E-001

Time	Drawdown	Time	Drawdown
0.000E+000	7.175E-001	2.000E+000	9.699E-005


CEF-8-10S RUN 1
K = 0.00356 ft/min
y0 = 0.7175 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/18 14:53

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-10S RUN 1

Step 0 05/18 10:57:02

Elapsed Time	INPUT 1
0.0000	0.012
0.0033	0.009
0.0066	0.197
0.0100	0.785
0.0133	1.077
0.0166	1.139
0.0200	1.253
0.0233	0.813
0.0266	0.621
0.0300	0.854
0.0333	1.196
0.0366	1.259
0.0400	1.152
0.0433	1.067
0.0466	1.039
0.0500	1.005
0.0533	0.961
0.0566	0.929
0.0600	0.895
0.0633	0.844
0.0666	0.826
0.0700	0.800
0.0733	0.766
0.0766	0.753
0.0800	0.728
0.0833	0.706
0.0866	0.687
0.0900	0.665
0.0933	0.643
0.0966	0.628
0.1000	0.612
0.1033	0.596
0.1066	0.581
0.1100	0.565
0.1133	0.552
0.1166	0.540
0.1200	0.527
0.1233	0.515
0.1266	0.502
0.1300	0.493
0.1333	0.483
0.1366	0.474
0.1400	0.461
0.1433	0.452
0.1466	0.442

CEF-8-10S RUN 1

Step 0 05/18 10:57:02

Elapsed Time	INPUT 1
0.1500	0.436
0.1533	0.427
0.1566	0.420
0.1600	0.411
0.1633	0.405
0.1666	0.398
0.1700	0.389
0.1733	0.383
0.1766	0.376
0.1800	0.370
0.1833	0.364
0.1866	0.358
0.1900	0.354
0.1933	0.348
0.1966	0.342
0.2000	0.336
0.2033	0.329
0.2066	0.326
0.2100	0.320
0.2133	0.314
0.2166	0.310
0.2200	0.304
0.2233	0.301
0.2266	0.295
0.2300	0.292
0.2333	0.285
0.2366	0.282
0.2400	0.279
0.2433	0.273
0.2466	0.270
0.2500	0.267
0.2533	0.260
0.2566	0.257
0.2600	0.254
0.2633	0.251
0.2666	0.245
0.2700	0.241
0.2733	0.238
0.2766	0.235
0.2800	0.232
0.2833	0.229
0.2866	0.226
0.2900	0.223
0.2933	0.219
0.2966	0.216
0.3000	0.213
0.3033	0.210
0.3066	0.207
0.3100	0.204
0.3133	0.204
0.3166	0.201
0.3200	0.197
0.3233	0.194
0.3266	0.191
0.3300	0.188
0.3333	0.188
0.3500	0.175
0.3666	0.163
0.3833	0.153
0.4000	0.144
0.4166	0.138
0.4333	0.128
0.4500	0.122

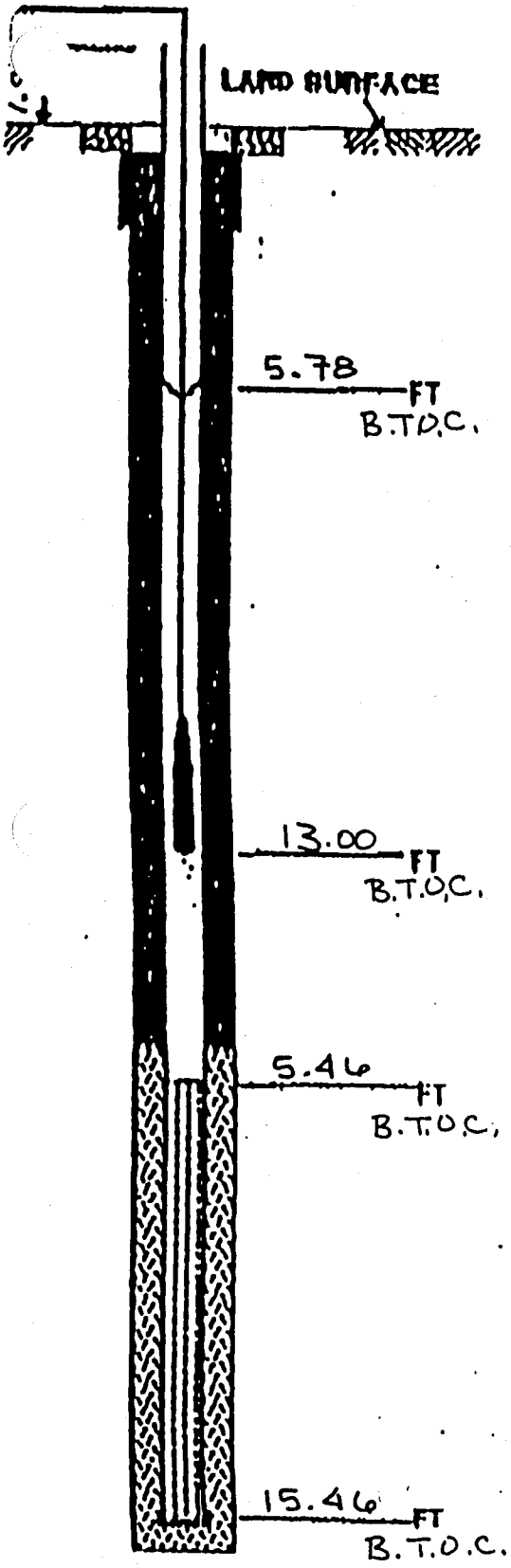
CEF-8-10S RUN 1
(CON'T) PAGE 2
Step 0 05/18 10:57:02

Elapsed Time	INPUT 1
0.4666	0.116
0.4833	0.113
0.5000	0.106
0.5166	0.103
0.5333	0.097
0.5500	0.094
0.5666	0.091
0.5833	0.087
0.6000	0.084
0.6166	0.081
0.6333	0.078
0.6500	0.078
0.6666	0.075
0.6833	0.072
0.7000	0.069
0.7166	0.069
0.7333	0.065
0.7500	0.065
0.7666	0.062
0.7833	0.062
0.8000	0.059
0.8166	0.059
0.8333	0.059
0.8500	0.056
0.8666	0.056
0.8833	0.053
0.9000	0.053
0.9166	0.053
0.9333	0.053
0.9500	0.050
0.9666	0.050
0.9833	0.050
1.0000	0.050
1.2000	0.037
1.4000	0.034
1.6000	0.028
1.8000	0.028
2.0000	0.025
2.2000	0.022
2.4000	0.022
2.6000	0.022
2.8000	0.022
3.0000	0.018
3.2000	0.018
3.4000	0.018
3.6000	0.018
3.8000	0.018
4.0000	0.015
4.2000	0.018
4.4000	0.015
4.6000	0.015
4.8000	0.015
5.0000	0.015
5.2000	0.015
5.4000	0.015
5.6000	0.018
5.8000	0.018
6.0000	0.018
6.2000	0.015
6.4000	0.015
6.6000	0.015
6.8000	0.015
7.0000	0.015

CEF-8-10S RUN 1
(CON'T) PAGE 2
Step 0 05/18 10:57:02

Elapsed Time	INPUT 1
7.2000	0.015
7.4000	0.015
7.6000	0.015
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.015
8.6000	0.015
8.8000	0.015
9.0000	0.015
9.2000	0.015
9.4000	0.012
9.6000	0.012
9.8000	0.015
10.0000	0.012

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-B-10S PUMPING WELL ____

DATE 5-18-95 TIME 11:00

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 2	Step 1	Step 2

TIME OF INSTALLATION 11:00

STATIC DEPTH TO WATER 5.78 FT. ____ PSI

DEPTH OF TRANSDUCER 13' B.T.O.C.

CALIBRATION
DEPTH 10 FT 4.55 PSI
DEPTH 11 FT 5.61 PSI
DEPTH 12 FT 6.62 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 5.78' B.T.O.C.

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

06/06/95 10:48:56

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TEST DESCRIPTION

Data set.......... cf811d1.set
Data set title..... CEF-8-11D RUN 1

Knowns and Constants:
No. of data points................. 169
Radius of well casing.............. 0.0833
Radius of well..................... 0.25
Aquifer saturated thickness......... 90
Well screen length................. 10
Static height of water in well...... 74.37
Log(Re/Rw)......................... 3.242
A, B, C............................ 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

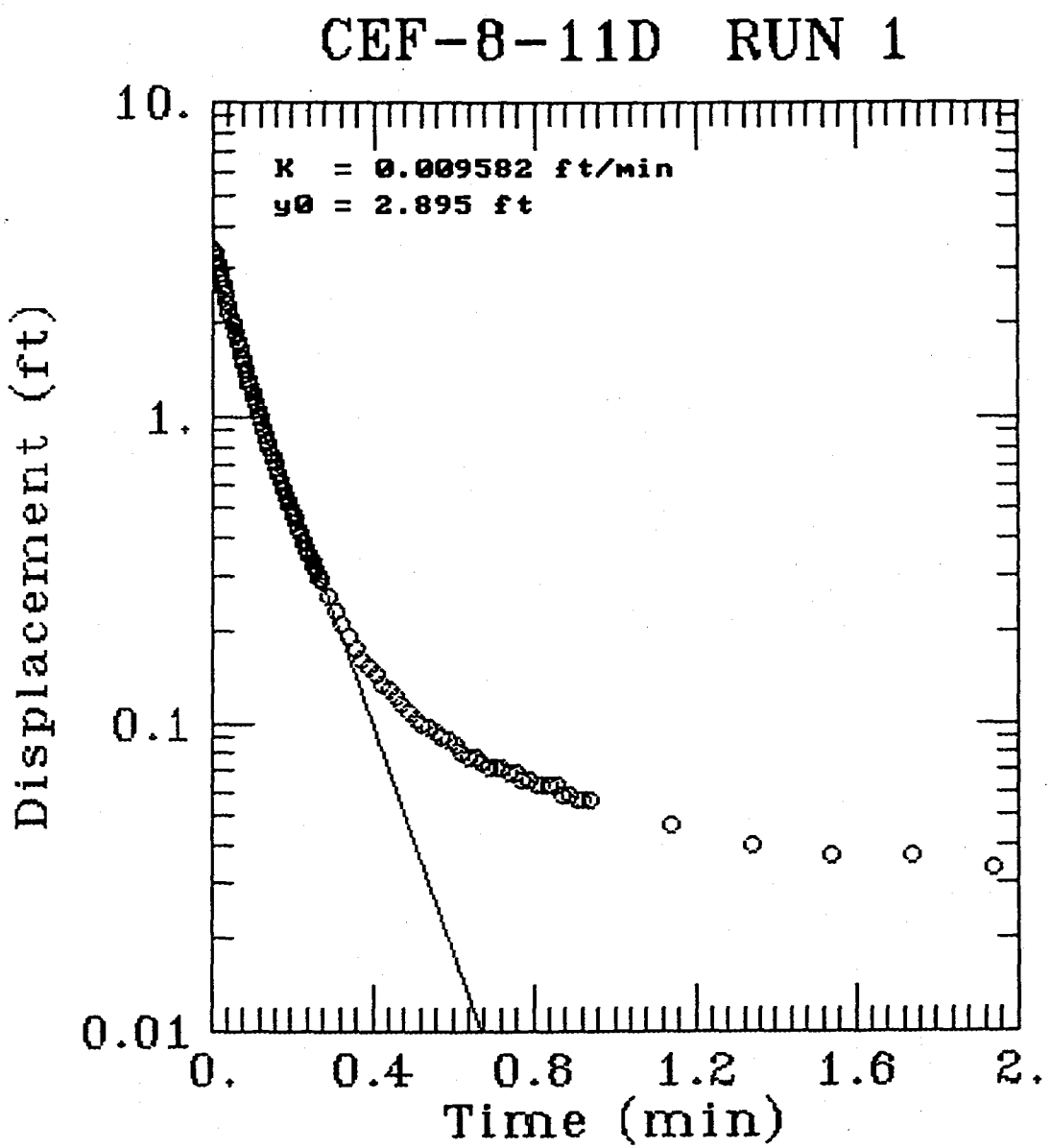
	Estimate
K =	5.2697E-004
y0 =	2.6570E+301

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

TYPE CURVE DATA

K = 9.58202E-003
y0 = 2.89523E+000

Time	Drawdown	Time	Drawdown
0.000E+000	2.895E+000	2.000E+000	1.155E-007


CEF-8-11D RUN 1
K = 0.009582 ft/min
y0 = 2.895 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

Environmental Logger
06/05 14:47

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-11D RUN 1

Step 0 06/05 08:46:39

Elapsed Time	INPUT 1
0.0000	0.015
0.0033	0.015
0.0066	0.289
0.0100	2.824
0.0133	2.191
0.0166	1.867
0.0200	1.451
0.0233	1.168
0.0266	0.976
0.0300	1.165
0.0333	2.346
0.0366	1.703
0.0400	1.546
0.0433	2.698
0.0466	2.660
0.0500	2.821
0.0533	2.739
0.0566	3.101
0.0600	3.397
0.0633	3.343
0.0666	3.302
0.0700	3.211
0.0733	3.095
0.0766	2.984
0.0800	2.874
0.0833	2.758
0.0866	2.645
0.0900	2.541
0.0933	2.440
0.0966	2.339
0.1000	2.264
0.1033	2.163
0.1066	2.081
0.1100	1.990
0.1133	1.958
0.1166	1.861
0.1200	1.820
0.1233	1.757
0.1266	1.722
0.1300	1.644
0.1333	1.562
0.1366	1.527
0.1400	1.483
0.1433	1.414
0.1466	1.366

Step 0 06/05 08:46:39

Elapsed Time	INPUT 1
0.1500	1.326
0.1533	1.281
0.1566	1.241
0.1600	1.200
0.1633	1.162
0.1666	1.124
0.1700	1.089
0.1733	1.051
0.1766	1.020
0.1800	0.989
0.1833	0.957
0.1866	0.926
0.1900	0.897
0.1933	0.869
0.1966	0.844
0.2000	0.819
0.2033	0.793
0.2066	0.768
0.2100	0.746
0.2133	0.724
0.2166	0.702
0.2200	0.680
0.2233	0.661
0.2266	0.642
0.2300	0.623
0.2333	0.607
0.2366	0.589
0.2400	0.573
0.2433	0.557
0.2466	0.541
0.2500	0.529
0.2533	0.513
0.2566	0.500
0.2600	0.485
0.2633	0.472
0.2666	0.463
0.2700	0.450
0.2733	0.437
0.2766	0.425
0.2800	0.415
0.2833	0.406
0.2866	0.396
0.2900	0.387
0.2933	0.374
0.2966	0.368
0.3000	0.359
0.3033	0.352
0.3066	0.343
0.3100	0.337
0.3133	0.327
0.3166	0.321
0.3200	0.315
0.3233	0.308
0.3266	0.299
0.3300	0.296
0.3333	0.289
0.3500	0.258
0.3666	0.233
0.3833	0.211
0.4000	0.192
0.4166	0.176
0.4333	0.163
0.4500	0.154

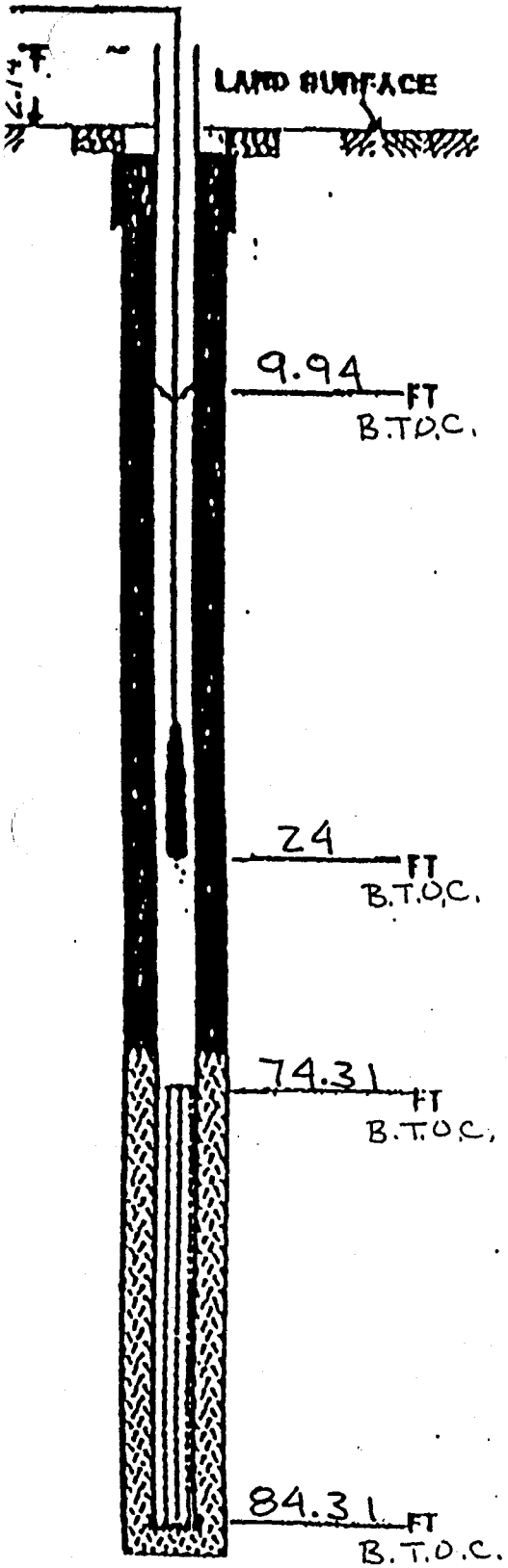
(CON'T) PAGE 2
Step 0 06/05 08:46:39

Elapsed Time	INPUT 1
0.4666	0.144
0.4833	0.135
0.5000	0.129
0.5166	0.122
0.5333	0.116
0.5500	0.110
0.5666	0.103
0.5833	0.100
0.6000	0.097
0.6166	0.094
0.6333	0.091
0.6500	0.088
0.6666	0.085
0.6833	0.081
0.7000	0.078
0.7166	0.078
0.7333	0.075
0.7500	0.072
0.7666	0.072
0.7833	0.072
0.8000	0.069
0.8166	0.069
0.8333	0.066
0.8500	0.066
0.8666	0.063
0.8833	0.063
0.9000	0.063
0.9166	0.063
0.9333	0.059
0.9500	0.059
0.9666	0.056
0.9833	0.056
1.0000	0.056
1.2000	0.047
1.4000	0.040
1.6000	0.037
1.8000	0.037
2.0000	0.034
2.2000	0.031
2.4000	0.031
2.6000	0.028
2.8000	0.028
3.0000	0.028
3.2000	0.025
3.4000	0.025
3.6000	0.025
3.8000	0.025
4.0000	0.025
4.2000	0.022
4.4000	0.022
4.6000	0.022
4.8000	0.022
5.0000	0.022
5.2000	0.022
5.4000	0.022
5.6000	0.018
5.8000	0.018
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018

(CON'T) PAGE 2
Step 0 06/05 08:46:39

Elapsed Time	INPUT 1
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.015
8.6000	0.015
8.8000	0.018
9.0000	0.015
9.2000	0.015
9.4000	0.015
9.6000	0.015
9.8000	0.015
10.0000	0.015
12.0000	0.012

RECOVERY PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-11D PUMPING WELL ____

DATE 6-5-95 TIME 0850

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	Step 1	Step 2

TIME OF INSTALLATION 08:50

STATIC DEPTH TO WATER 9.94 FT. ____ PSI

DEPTH OF TRANSDUCER 24' B.T.O.C.

CALIBRATION

DEPTH 12 FT 2.23 PSI

DEPTH 13 FT 3.28 PSI

DEPTH 14 FT 4.32 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.94' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (HH)

____ VERIFICATION OF DATA ACQUISITION (HH)

____ VERIFICATION OF DATA ACQUISITION (HH)

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

06/05/95 15:52:05

= =

TEST DESCRIPTION

Data set........... cf812s1.set
Data set title..... CEF-8-12S RUN 1

Knowns and Constants:
No. of data points.................. 177
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 18.34
Log(Re/Rw).......................... 2.574
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	4.9354E-004
y0 =	-1.2881E+209

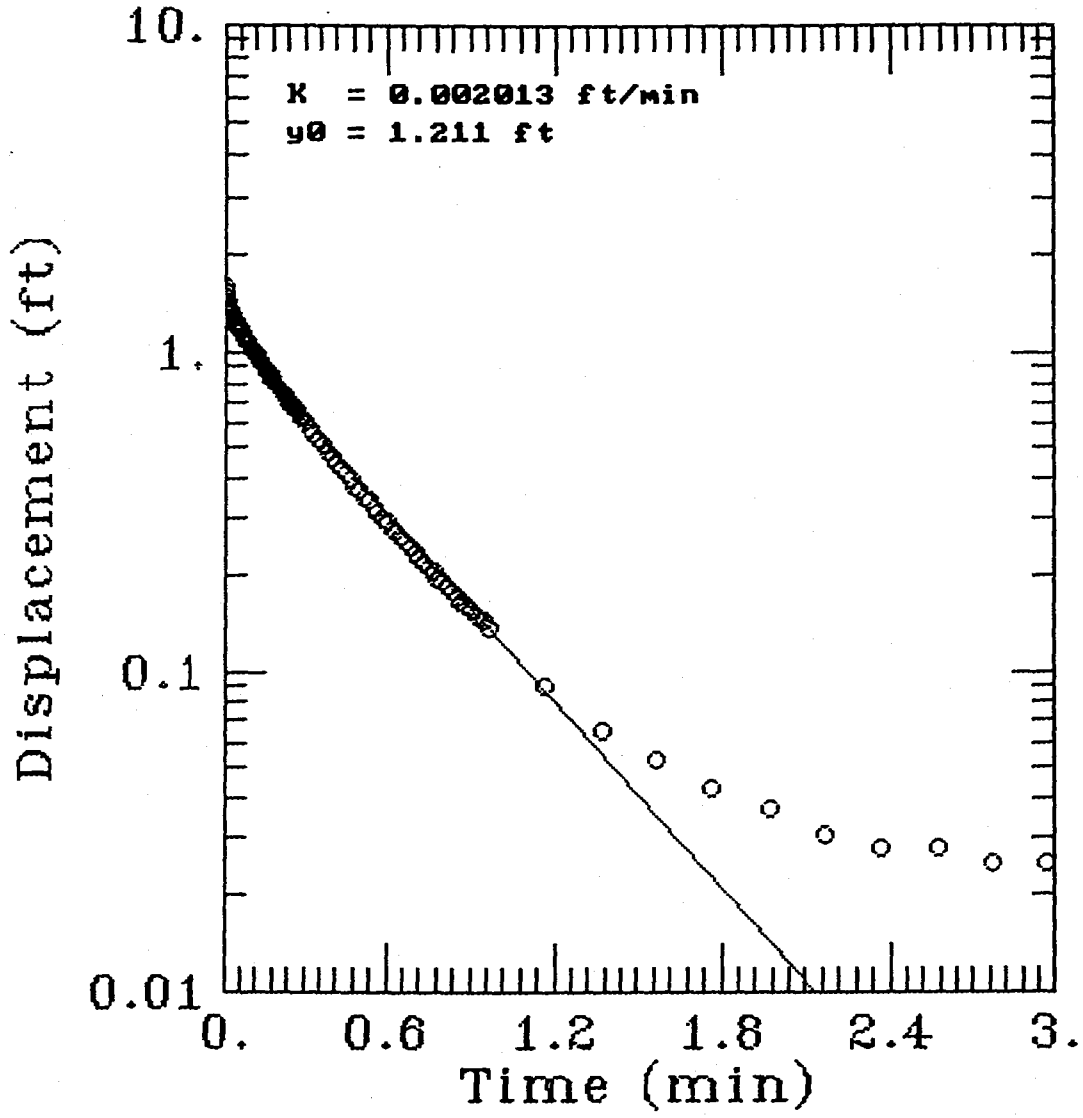
< < < < < < < < < < < < < < < < < < < < < < < < < < < < > >

TYPE CURVE DATA

K = 2.01308E-003
y0 = 1.21091E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.211E+000	3.000E+000	1.409E-003

CEF-8-12S RUN 1



SE1000C
Environmental Logger
06/02 14:48

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-12S RUN 1

Step 0 06/02 08:22:04

Elapsed Time	INPUT 1
0.0000	0.006
0.0033	0.006
0.0066	0.471
0.0100	0.976
0.0133	1.014
0.0166	0.568
0.0200	0.684
0.0233	1.127
0.0266	1.532
0.0300	1.601
0.0333	1.525
0.0366	1.466
0.0400	1.428
0.0433	1.400
0.0466	1.375
0.0500	1.346
0.0533	1.331
0.0566	1.309
0.0600	1.290
0.0633	1.274
0.0666	1.259
0.0700	1.243
0.0733	1.233
0.0766	1.211
0.0800	1.196
0.0833	1.183
0.0866	1.171
0.0900	1.158
0.0933	1.146
0.0966	1.130
0.1000	1.114
0.1033	1.108
0.1066	1.098
0.1100	1.086
0.1133	1.076
0.1166	1.064
0.1200	1.055
0.1233	1.045
0.1266	1.033
0.1300	1.026
0.1333	1.014
0.1366	1.004
0.1400	0.998
0.1433	0.985
0.1466	0.976

CEF-8-12S RUN 1

Step 0 06/02 08:22:04

Elapsed Time	INPUT 1
0.1500	0.967
0.1533	0.960
0.1566	0.951
0.1600	0.942
0.1633	0.932
0.1666	0.926
0.1700	0.916
0.1733	0.907
0.1766	0.901
0.1800	0.891
0.1833	0.885
0.1866	0.876
0.1900	0.869
0.1933	0.860
0.1966	0.854
0.2000	0.847
0.2033	0.838
0.2066	0.829
0.2100	0.822
0.2133	0.816
0.2166	0.810
0.2200	0.800
0.2233	0.794
0.2266	0.788
0.2300	0.781
0.2333	0.775
0.2366	0.769
0.2400	0.763
0.2433	0.756
0.2466	0.747
0.2500	0.744
0.2533	0.737
0.2566	0.728
0.2600	0.725
0.2633	0.719
0.2666	0.712
0.2700	0.706
0.2733	0.700
0.2766	0.693
0.2800	0.687
0.2833	0.684
0.2866	0.678
0.2900	0.672
0.2933	0.665
0.2966	0.659
0.3000	0.656
0.3033	0.650
0.3066	0.646
0.3100	0.640
0.3133	0.634
0.3166	0.628
0.3200	0.624
0.3233	0.618
0.3266	0.615
0.3300	0.609
0.3333	0.606
0.3500	0.580
0.3666	0.555
0.3833	0.533
0.4000	0.511
0.4166	0.489
0.4333	0.471
0.4500	0.452

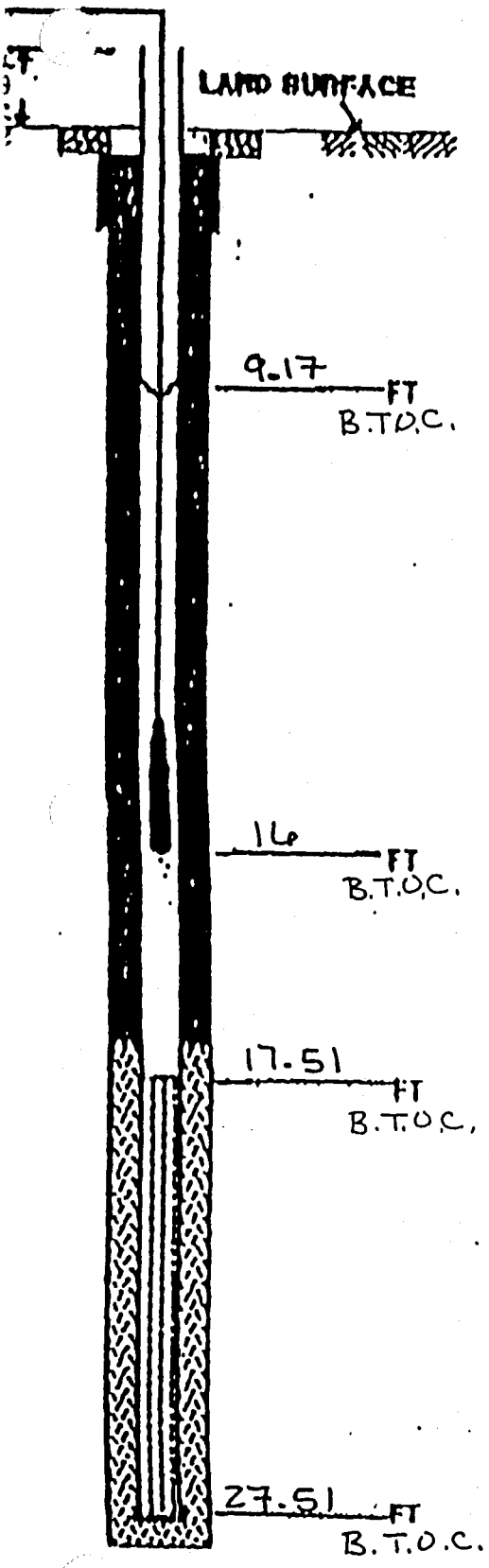
CEF-8-12S RUN 1
(CON'T) PAGE 2
Step 0 06/02 08:22:04

Elapsed Time	INPUT 1
0.4666	0.433
0.4833	0.417
0.5000	0.398
0.5166	0.383
0.5333	0.370
0.5500	0.354
0.5666	0.342
0.5833	0.329
0.6000	0.317
0.6166	0.304
0.6333	0.295
0.6500	0.282
0.6666	0.273
0.6833	0.263
0.7000	0.254
0.7166	0.244
0.7333	0.235
0.7500	0.229
0.7666	0.219
0.7833	0.213
0.8000	0.207
0.8166	0.197
0.8333	0.191
0.8500	0.185
0.8666	0.179
0.8833	0.172
0.9000	0.166
0.9166	0.163
0.9333	0.157
0.9500	0.150
0.9666	0.147
0.9833	0.144
1.0000	0.138
1.2000	0.091
1.4000	0.065
1.6000	0.053
1.8000	0.043
2.0000	0.037
2.2000	0.031
2.4000	0.028
2.6000	0.028
2.8000	0.025
3.0000	0.025
3.2000	0.021
3.4000	0.021
3.6000	0.021
3.8000	0.021
4.0000	0.021
4.2000	0.018
4.4000	0.018
4.6000	0.018
4.8000	0.018
5.0000	0.018
5.2000	0.018
5.4000	0.018
5.6000	0.018
5.8000	0.018
6.0000	0.015
6.2000	0.015
6.4000	0.015
6.6000	0.015
6.8000	0.015
7.0000	0.015

CEF-8-12S RUN 1
(CON'T) PAGE 2
Step 0 06/02 08:22:04

Elapsed Time	INPUT 1
7.2000	0.015
7.4000	0.015
7.6000	0.015
7.8000	0.015
8.0000	0.015
8.2000	0.015
8.4000	0.012
8.6000	0.012
8.8000	0.012
9.0000	0.012
9.2000	0.012
9.4000	0.012
9.6000	0.012
9.8000	0.012
10.0000	0.012

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-B-125 PUMPING WELL ____

DATE 6-2-95 TIME 08:26

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

TEST DURATION R1 10 SEL Ø; R2 10 Step 1; R3 10 Step 2

TIME OF INSTALLATION 08:26

STATIC DEPTH TO WATER 9.17 FT. ____ PSI

DEPTH OF TRANSDUCER 16' B.T.O.C.

CALIBRATION
DEPTH 11 FT 2.27 PSI
DEPTH 12 FT 3.36 PSI
DEPTH 13 FT 4.33 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 9.17' B.T.O.C.

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

06/27/95 08:15:39

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TEST DESCRIPTION

Data set........... cf813s1.set
Data set title..... CEF-8-13S RUN 1

Knowns and Constants:
No. of data points.................. 145
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 8.95
Log(Re/Rw).......................... 2.267
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

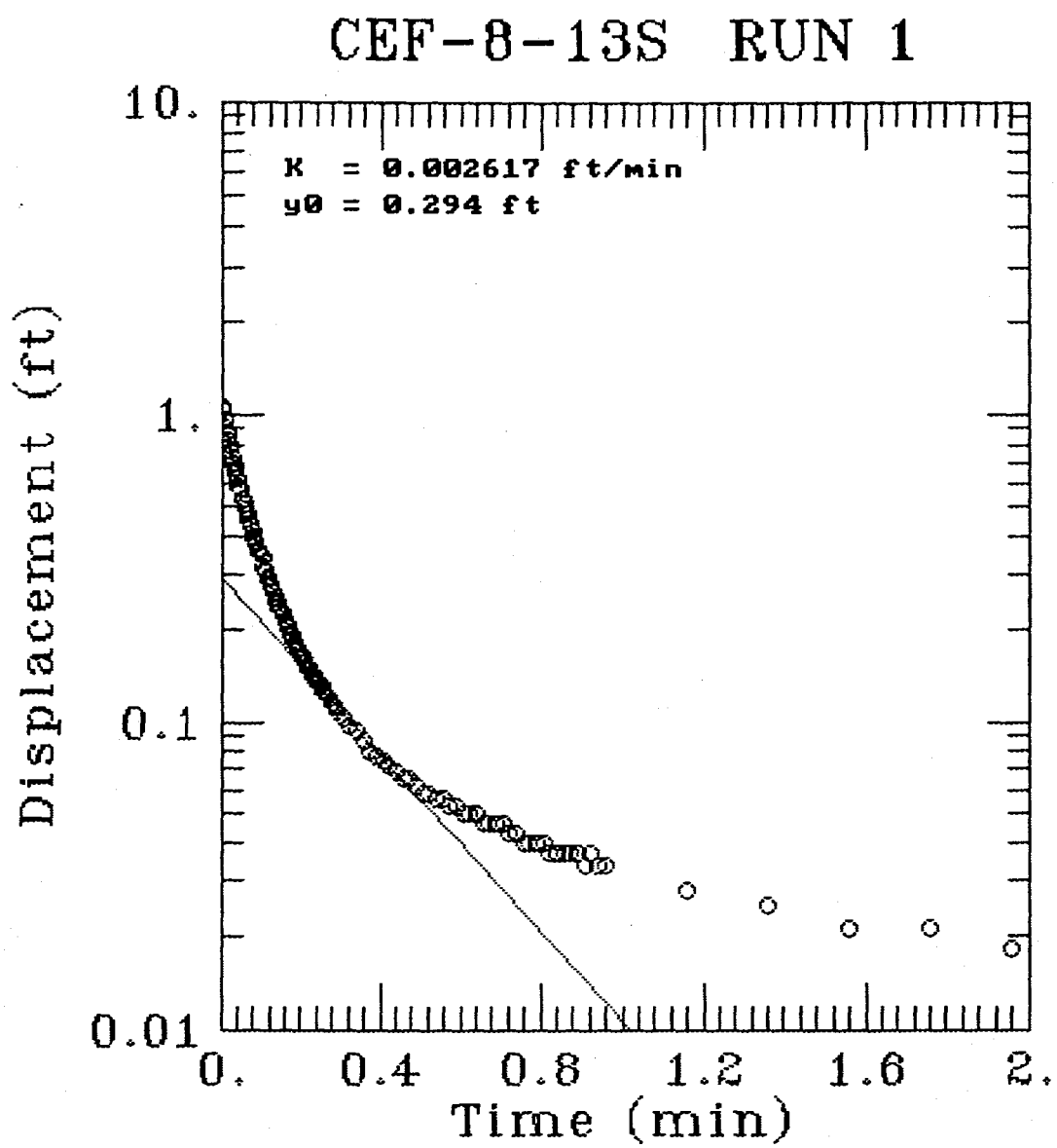
	Estimate
K =	8.0999E-004
y0 =	8.3441E-309

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

TYPE CURVE DATA

K = 2.61673E-003
y0 = 2.94008E-001

Time	Drawdown	Time	Drawdown
0.000E+000	2.940E-001	2.000E+000	3.805E-004


CEF-8-13S RUN 1
K = 0.002617 ft/min
y0 = 0.294 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/18 15:01

Unit# 00008 Test 3

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-13S RUN 1

Step 0 05/18 12:11:53

Elapsed Time	INPUT 1
0.0000	0.009
0.0033	0.009
0.0066	0.304
0.0100	0.712
0.0133	0.753
0.0166	0.869
0.0200	0.888
0.0233	0.747
0.0266	0.357
0.0300	0.398
0.0333	0.995
0.0366	1.180
0.0400	1.048
0.0433	1.051
0.0466	1.042
0.0500	0.954
0.0533	0.904
0.0566	0.866
0.0600	0.825
0.0633	0.788
0.0666	0.756
0.0700	0.725
0.0733	0.693
0.0766	0.668
0.0800	0.643
0.0833	0.615
0.0866	0.590
0.0900	0.580
0.0933	0.533
0.0966	0.533
0.1000	0.511
0.1033	0.496
0.1066	0.477
0.1100	0.461
0.1133	0.442
0.1166	0.430
0.1200	0.417
0.1233	0.401
0.1266	0.389
0.1300	0.379
0.1333	0.364
0.1366	0.357
0.1400	0.354
0.1433	0.345
0.1466	0.320

CEF-8-13S RUN 1

Step 0 05/18 12:11:53

Elapsed Time	INPUT 1
0.1500	0.317
0.1533	0.307
0.1566	0.298
0.1600	0.292
0.1633	0.282
0.1666	0.276
0.1700	0.266
0.1733	0.263
0.1766	0.257
0.1800	0.248
0.1833	0.244
0.1866	0.238
0.1900	0.232
0.1933	0.229
0.1966	0.222
0.2000	0.216
0.2033	0.210
0.2066	0.207
0.2100	0.204
0.2133	0.197
0.2166	0.194
0.2200	0.191
0.2233	0.185
0.2266	0.182
0.2300	0.178
0.2333	0.175
0.2366	0.172
0.2400	0.169
0.2433	0.166
0.2466	0.163
0.2500	0.160
0.2533	0.157
0.2566	0.153
0.2600	0.150
0.2633	0.150
0.2666	0.147
0.2700	0.144
0.2733	0.141
0.2766	0.141
0.2800	0.138
0.2833	0.138
0.2866	0.135
0.2900	0.131
0.2933	0.131
0.2966	0.128
0.3000	0.125
0.3033	0.125
0.3066	0.122
0.3100	0.122
0.3133	0.119
0.3166	0.119
0.3200	0.116
0.3233	0.116
0.3266	0.113
0.3300	0.113
0.3333	0.109
0.3500	0.103
0.3666	0.097
0.3833	0.094
0.4000	0.087
0.4166	0.081
0.4333	0.078
0.4500	0.075

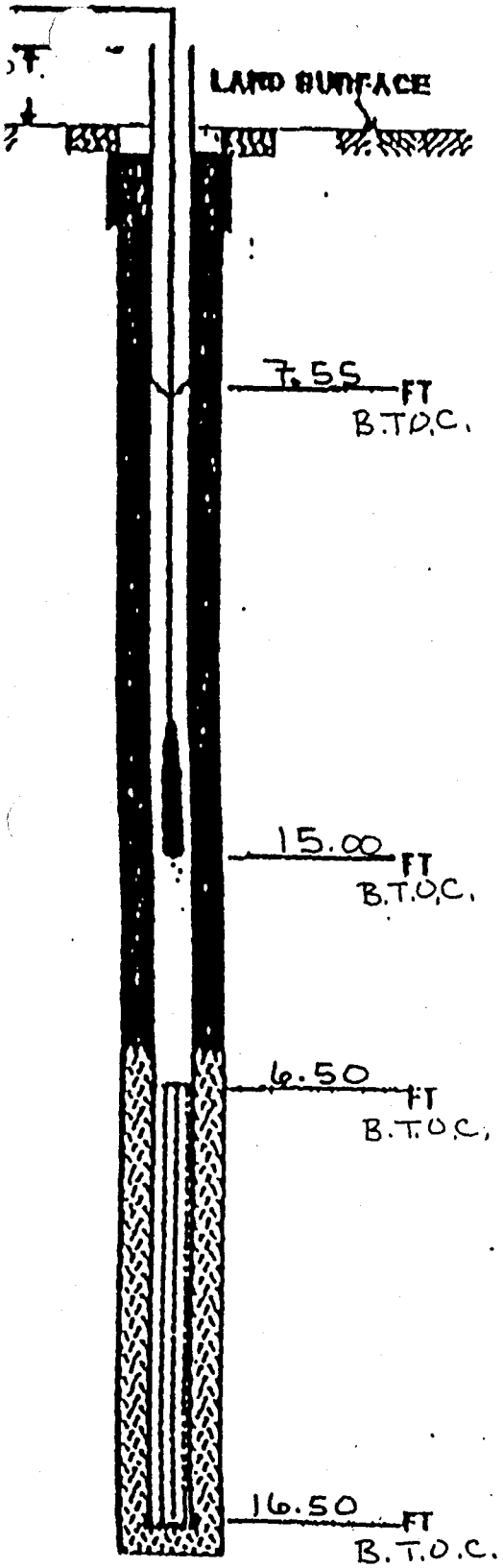
CEF-8-13S RUN 1
(CON'T) PAGE 2
Step 0 05/18 12:11:53

Elapsed Time	INPUT 1
0.4666	0.072
0.4833	0.069
0.5000	0.065
0.5166	0.065
0.5333	0.062
0.5500	0.059
0.5666	0.059
0.5833	0.056
0.6000	0.056
0.6166	0.053
0.6333	0.053
0.6500	0.050
0.6666	0.050
0.6833	0.050
0.7000	0.047
0.7166	0.047
0.7333	0.047
0.7500	0.047
0.7666	0.043
0.7833	0.043
0.8000	0.040
0.8166	0.040
0.8333	0.040
0.8500	0.040
0.8666	0.037
0.8833	0.037
0.9000	0.037
0.9166	0.037
0.9333	0.037
0.9500	0.034
0.9666	0.037
0.9833	0.034
1.0000	0.034
1.2000	0.028
1.4000	0.025
1.6000	0.021
1.8000	0.021
2.0000	0.018
2.2000	0.018
2.4000	0.015
2.6000	0.015
2.8000	0.015
3.0000	0.015
3.2000	0.012
3.4000	0.012
3.6000	0.012
3.8000	0.012
4.0000	0.012
4.2000	0.012
4.4000	0.012
4.6000	0.015
4.8000	0.012
5.0000	0.015
5.2000	0.012
5.4000	0.015
5.6000	0.012
5.8000	0.012
6.0000	0.012
6.2000	0.015
6.4000	0.012
6.6000	0.012
6.8000	0.015
7.0000	0.012

CEF-8-13S RUN 1
(CON'T) PAGE 2
Step 0 05/18 12:11:53

Elapsed Time	INPUT 1
7.2000	0.012
7.4000	0.012
7.6000	0.012
7.8000	0.012
8.0000	0.012
8.2000	0.012
8.4000	0.012
8.6000	0.012
8.8000	0.012
9.0000	0.012
9.2000	0.012
9.4000	0.012
9.6000	0.012
9.8000	0.012
10.0000	0.012

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-135 PUMPING WELL ____

DATE 5-18-95 TIME 12:15

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

TEST DURATION R1 10 R2 10 R3 10
SEL 3 Step 1 Step 2

TIME OF INSTALLATION 12:15

STATIC DEPTH TO WATER 7.55 FT. ____ PSI

DEPTH OF TRANSDUCER 15' B.T.O.C.

CALIBRATION
DEPTH 12 FT 4.18 PSI
DEPTH 13 FT 5.16 PSI
DEPTH 14 FT 6.22 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 7.55' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)
____ VERIFICATION OF DATA ACQUISITION (HH)

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

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

AQTESOLV RESULTS

Version 1.10

05/19/95 10:47:03

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TEST DESCRIPTION

Data set........... cf814i1.set
Data set title..... CEF-8-14I RUN 1

Knowns and Constants:
No. of data points.................. 176
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 43.9
Log(Re/Rw).......................... 2.939
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

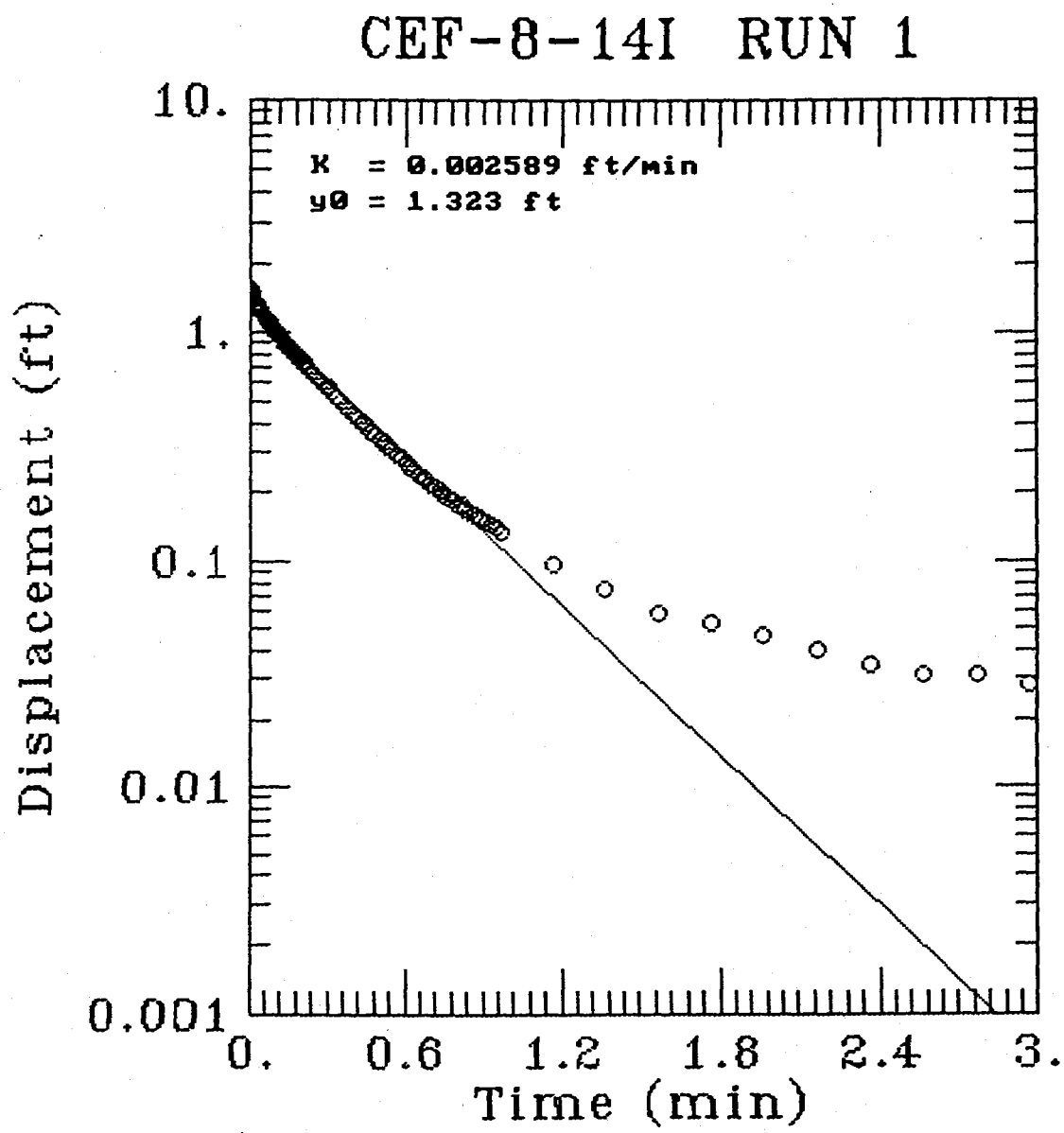
	Estimate
K =	5.6446E-004
y0 =	-4.8807E-246

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

TYPE CURVE DATA

K = 2.58938E-003
y0 = 1.32264E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.323E+000	3.000E+000	6.536E-004


CEF-8-14I RUN 1
K = 0.002589 ft/min
y0 = 1.323 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/18 15:10

Unit# 00008 Test 4

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-14I RUN 1

Step 0 05/18 13:01:49

Elapsed Time	INPUT 1
0.0000	0.003
0.0033	0.009
0.0066	0.295
0.0100	0.822
0.0133	0.781
0.0166	0.599
0.0200	0.740
0.0233	0.800
0.0266	1.192
0.0300	1.446
0.0333	1.534
0.0366	1.519
0.0400	1.516
0.0433	1.465
0.0466	1.440
0.0500	1.396
0.0533	1.377
0.0566	1.355
0.0600	1.337
0.0633	1.315
0.0666	1.299
0.0700	1.277
0.0733	1.268
0.0766	1.246
0.0800	1.227
0.0833	1.211
0.0866	1.199
0.0900	1.183
0.0933	1.167
0.0966	1.161
0.1000	1.142
0.1033	1.126
0.1066	1.117
0.1100	1.101
0.1133	1.086
0.1166	1.076
0.1200	1.064
0.1233	1.051
0.1266	1.042
0.1300	1.020
0.1333	1.020
0.1366	1.007
0.1400	0.998
0.1433	0.985
0.1466	0.976

CEF-8-14I RUN 1

Step 0 05/18 13:01:49

Elapsed Time	INPUT 1
0.1500	0.966
0.1533	0.954
0.1566	0.944
0.1600	0.935
0.1633	0.926
0.1666	0.916
0.1700	0.907
0.1733	0.897
0.1766	0.888
0.1800	0.878
0.1833	0.869
0.1866	0.860
0.1900	0.853
0.1933	0.844
0.1966	0.835
0.2000	0.825
0.2033	0.819
0.2066	0.809
0.2100	0.803
0.2133	0.794
0.2166	0.787
0.2200	0.778
0.2233	0.772
0.2266	0.766
0.2300	0.759
0.2333	0.750
0.2366	0.743
0.2400	0.737
0.2433	0.731
0.2466	0.725
0.2500	0.715
0.2533	0.709
0.2566	0.703
0.2600	0.696
0.2633	0.690
0.2666	0.684
0.2700	0.678
0.2733	0.671
0.2766	0.665
0.2800	0.659
0.2833	0.652
0.2866	0.646
0.2900	0.643
0.2933	0.637
0.2966	0.630
0.3000	0.624
0.3033	0.618
0.3066	0.612
0.3100	0.609
0.3133	0.602
0.3166	0.599
0.3200	0.593
0.3233	0.587
0.3266	0.583
0.3300	0.577
0.3333	0.571
0.3500	0.546
0.3666	0.521
0.3833	0.499
0.4000	0.477
0.4166	0.458
0.4333	0.436
0.4500	0.420

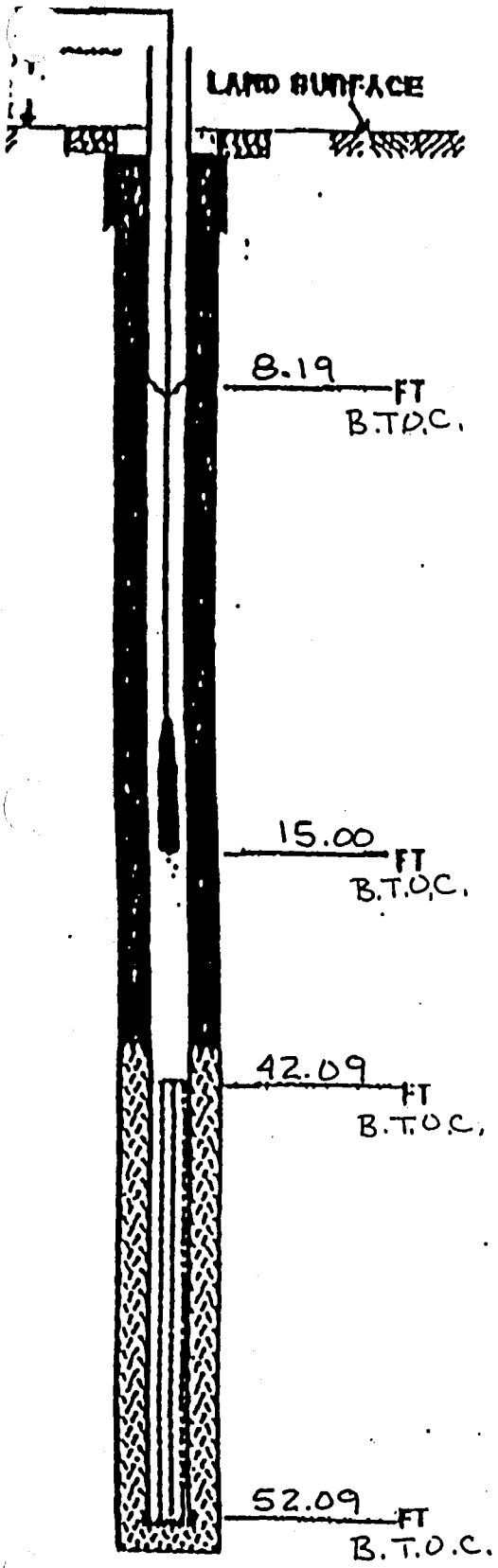
CEP-8-141 RUN 1
(CON'T) PAGE 2
Step 0 05/18 13:01:49

Elapsed Time	INPUT 1
0.4666	0.404
0.4833	0.386
0.5000	0.370
0.5166	0.357
0.5333	0.342
0.5500	0.329
0.5666	0.317
0.5833	0.304
0.6000	0.291
0.6166	0.282
0.6333	0.270
0.6500	0.260
0.6666	0.251
0.6833	0.241
0.7000	0.235
0.7166	0.226
0.7333	0.219
0.7500	0.213
0.7666	0.204
0.7833	0.197
0.8000	0.191
0.8166	0.185
0.8333	0.178
0.8500	0.175
0.8666	0.169
0.8833	0.166
0.9000	0.160
0.9166	0.156
0.9333	0.153
0.9500	0.147
0.9666	0.144
0.9833	0.141
1.0000	0.134
1.2000	0.097
1.4000	0.075
1.6000	0.059
1.8000	0.053
2.0000	0.047
2.2000	0.040
2.4000	0.034
2.6000	0.031
2.8000	0.031
3.0000	0.028
3.2000	0.028
3.4000	0.028
3.6000	0.025
3.8000	0.021
4.0000	0.021
4.2000	0.021
4.4000	0.021
4.6000	0.018
4.8000	0.018
5.0000	0.018
5.2000	0.018
5.4000	0.018
5.6000	0.015
5.8000	0.018
6.0000	0.015
6.2000	0.015
6.4000	0.015
6.6000	0.015
6.8000	0.015

(CON'T) PAGE 2
Step 0 05/18 13:01:49

Elapsed Time	INPUT 1
7.2000	0.015
7.4000	0.015
7.6000	0.015
7.8000	0.012
8.0000	0.012
8.2000	0.012
8.4000	0.012
8.6000	0.012
8.8000	0.012
9.0000	0.012
9.2000	0.012
9.4000	0.012
9.6000	0.012
9.8000	0.009
10.0000	0.009

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-14 I PUMPING WELL ____

DATE 5-18-95 TIME 13:05

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 4	Step 1	Step 2

TIME OF INSTALLATION 13:05

STATIC DEPTH TO WATER 8.19 FT. ____ PSI

DEPTH OF TRANSDUCER 15' B.T.O.C.

CALIBRATION

DEPTH 11 FT 2.93 PSI

DEPTH 12 FT 3.88 PSI

DEPTH 13 FT 4.91 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 8.19' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (HH)

____ VERIFICATION OF DATA ACQUISITION (HH)

____ VERIFICATION OF DATA ACQUISITION (HH)

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

06/02/95 13:46:18

= =

TEST DESCRIPTION

Data set........... cf815d3.set
Data set title..... CEF-8-15D RUN 3

Knowns and Constants:
- No. of data points.................. 137
- Radius of well casing............... 0.08333
- Radius of well...................... 0.25
- Aquifer saturated thickness......... 90
- Well screen length.................. 10
- Static height of water in well...... 73.52
- Log(Re/Rw).......................... 3.232
- A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

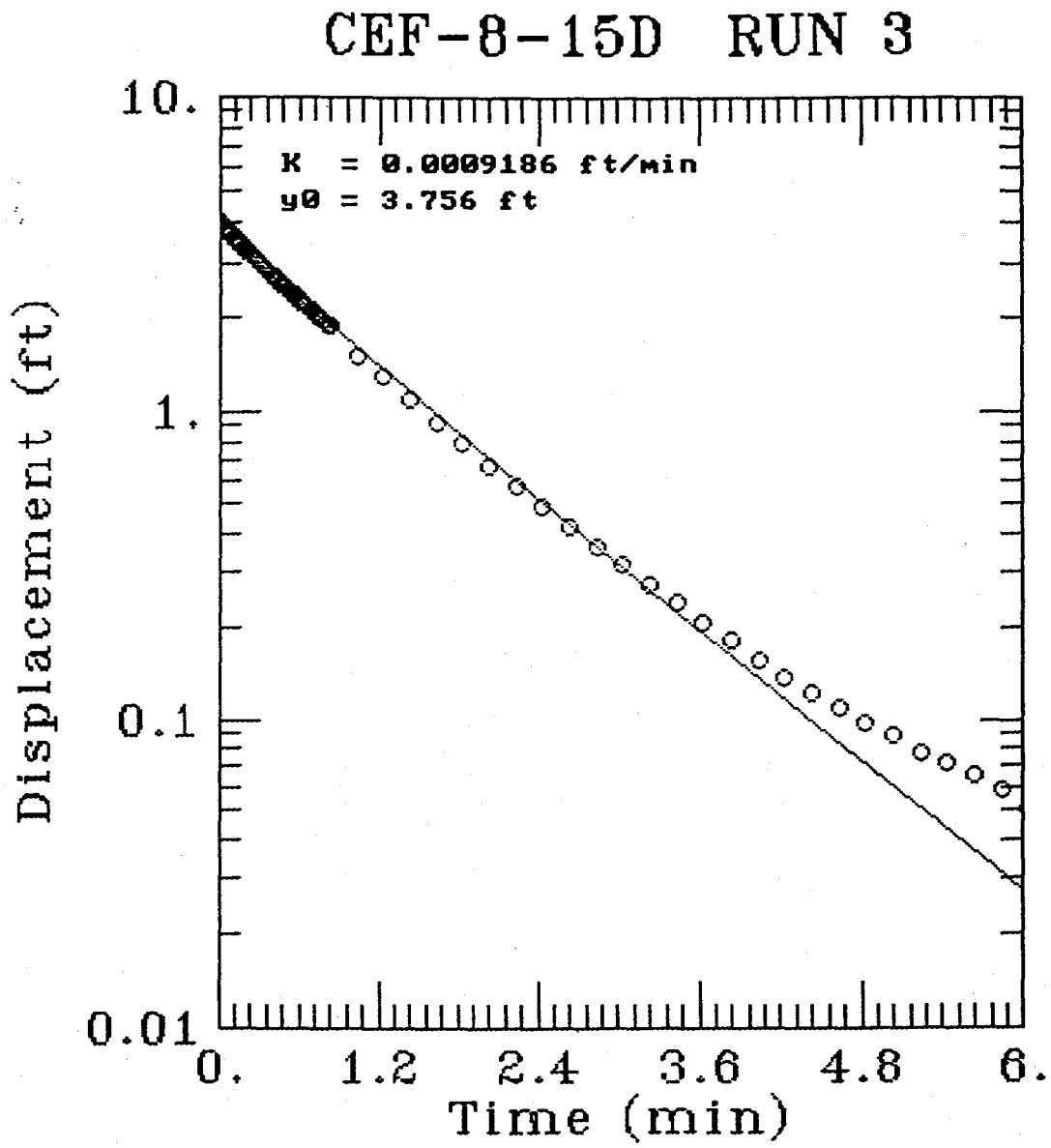
	Estimate
K =	9.1859E-004
y0 =	2.4338E-124

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

TYPE CURVE DATA

K = 9.18587E-004
y0 = 3.75626E+000

Time	Drawdown	Time	Drawdown
0.000E+000	3.756E+000	6.000E+000	2.764E-002


CEF-8-15D RUN 3
K = 0.0009186 ft/min
y0 = 3.756 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
1.2
2.4
3.6
4.8
6.
Time (min)

Environmental Logger
06/01 17:09

Unit# 00008 Test 1

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-15D RUN 3

Step 2 06/01 13:58:57

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.711
0.0100	2.276
0.0133	3.175
0.0166	3.738
0.0200	2.675
0.0233	2.477
0.0266	1.407
0.0300	2.924
0.0333	2.556
0.0366	2.553
0.0400	2.663
0.0433	2.738
0.0466	3.383
0.0500	3.628
0.0533	3.650
0.0566	4.188
0.0600	4.135
0.0633	4.512
0.0666	4.528
0.0700	4.458
0.0733	4.433
0.0766	4.396
0.0800	4.386
0.0833	4.370
0.0866	4.364
0.0900	4.323
0.0933	4.320
0.0966	4.301
0.1000	4.289
0.1033	4.333
0.1066	4.257
0.1100	4.238
0.1133	4.210
0.1166	4.207
0.1200	4.197
0.1233	4.172
0.1266	4.169
0.1300	4.078
0.1333	4.138
0.1366	4.128
0.1400	4.091
0.1433	4.084
0.1466	4.078

Step 2 06/01 13:58:57

Elapsed Time	INPUT 1
0.1500	4.084
0.1533	4.040
0.1566	4.006
0.1600	4.015
0.1633	3.993
0.1666	4.018
0.1700	3.968
0.1733	3.924
0.1766	3.940
0.1800	3.930
0.1833	3.918
0.1866	3.905
0.1900	3.889
0.1933	3.877
0.1966	3.864
0.2000	3.852
0.2033	3.839
0.2066	3.826
0.2100	3.814
0.2133	3.801
0.2166	3.789
0.2200	3.776
0.2233	3.767
0.2266	3.754
0.2300	3.742
0.2333	3.729
0.2366	3.716
0.2400	3.707
0.2433	3.694
0.2466	3.682
0.2500	3.669
0.2533	3.660
0.2566	3.647
0.2600	3.638
0.2633	3.625
0.2666	3.616
0.2700	3.603
0.2733	3.591
0.2766	3.581
0.2800	3.569
0.2833	3.559
0.2866	3.547
0.2900	3.537
0.2933	3.528
0.2966	3.515
0.3000	3.506
0.3033	3.496
0.3066	3.484
0.3100	3.474
0.3133	3.462
0.3166	3.452
0.3200	3.443
0.3233	3.430
0.3266	3.421
0.3300	3.411
0.3333	3.402
0.3500	3.345
0.3666	3.292
0.3833	3.238
0.4000	3.185
0.4166	3.138
0.4333	3.087
0.4500	3.040

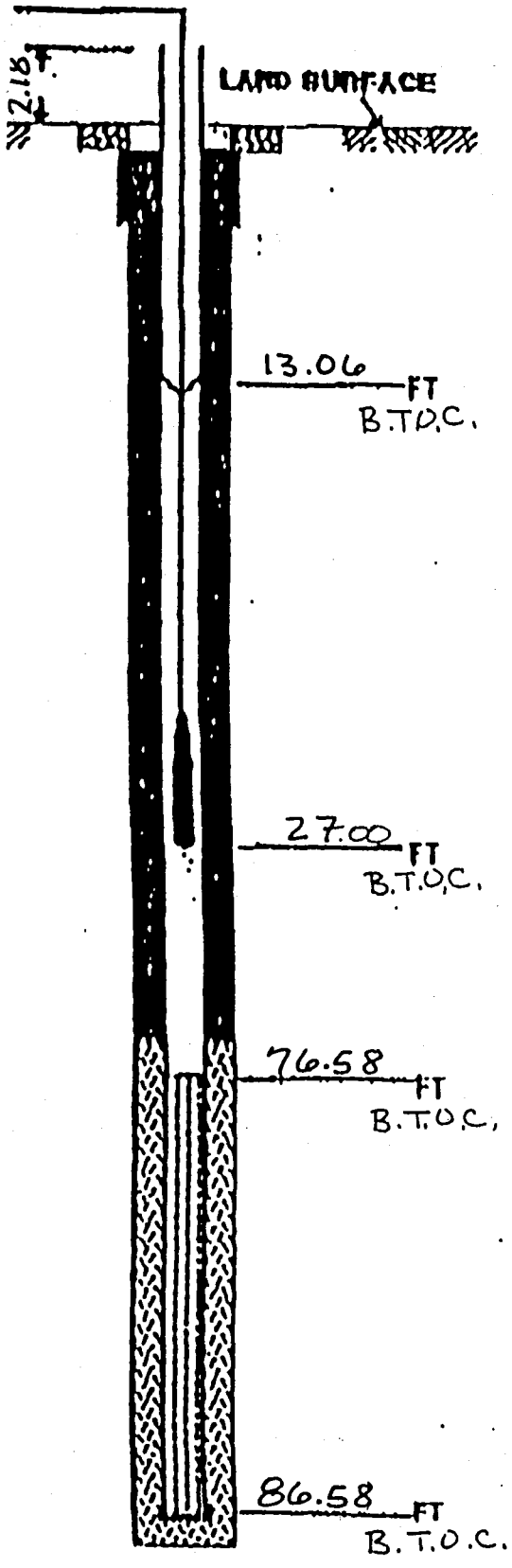
(CON'T) PAGE 2
Step 2 06/01 13:58:57

Elapsed Time	INPUT 1
0.4666	2.993
0.4833	2.946
0.5000	2.902
0.5166	2.858
0.5333	2.814
0.5500	2.773
0.5666	2.729
0.5833	2.691
0.6000	2.650
0.6166	2.609
0.6333	2.571
0.6500	2.534
0.6666	2.499
0.6833	2.461
0.7000	2.427
0.7166	2.389
0.7333	2.358
0.7500	2.323
0.7666	2.288
0.7833	2.257
0.8000	2.222
0.8166	2.191
0.8333	2.159
0.8500	2.131
0.8666	2.099
0.8833	2.071
0.9000	2.043
0.9166	2.011
0.9333	1.983
0.9500	1.955
0.9666	1.930
0.9833	1.904
1.0000	1.876
1.2000	1.517
1.4000	1.284
1.6000	1.086
1.8000	0.925
2.0000	0.787
2.2000	0.673
2.4000	0.576
2.6000	0.494
2.8000	0.425
3.0000	0.368
3.2000	0.318
3.4000	0.274
3.6000	0.239
3.8000	0.207
4.0000	0.182
4.2000	0.157
4.4000	0.138
4.6000	0.122
4.8000	0.110
5.0000	0.097
5.2000	0.088
5.4000	0.078
5.6000	0.072
5.8000	0.066
6.0000	0.059
6.2000	0.050
6.4000	0.047
6.6000	0.044
6.8000	0.041
7.0000	0.037
7.2000	0.034

(CON'T) PAGE 2
Step 2 06/01 13:58:57

Elapsed Time	INPUT 1
7.2000	0.034
7.4000	0.031
7.6000	0.028
7.8000	0.025
8.0000	0.025
8.2000	0.025
8.4000	0.022
8.6000	0.022
8.8000	0.022
9.0000	0.022
9.2000	0.022
9.4000	0.019
9.6000	0.019
9.8000	0.019
10.0000	0.019
12.0000	0.012

WELL PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-15D PUMPING WELL ____

DATE 6-1-95 TIME 13:09

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 1	Step 1	Step 2

TIME OF INSTALLATION 13:09

STATIC DEPTH TO WATER 13.06 FT. ____ PSI

DEPTH OF TRANSDUCER 27' B.T.O.C.

CALIBRATION

DEPTH 15 FT 1.69 PSI

DEPTH 16 FT 2.72 PSI

DEPTH 17 FT 3.76 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 13.06' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

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

06/27/95 08:43:12

==

TEST DESCRIPTION

Data set........... cf816s3.set
Data set title..... CEF-8-16S RUN 3

Knowns and Constants:
No. of data points.................. 173
Radius of well casing................ 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 7.73
Log(Re/Rw).......................... 2.2
A, B, C............................ 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

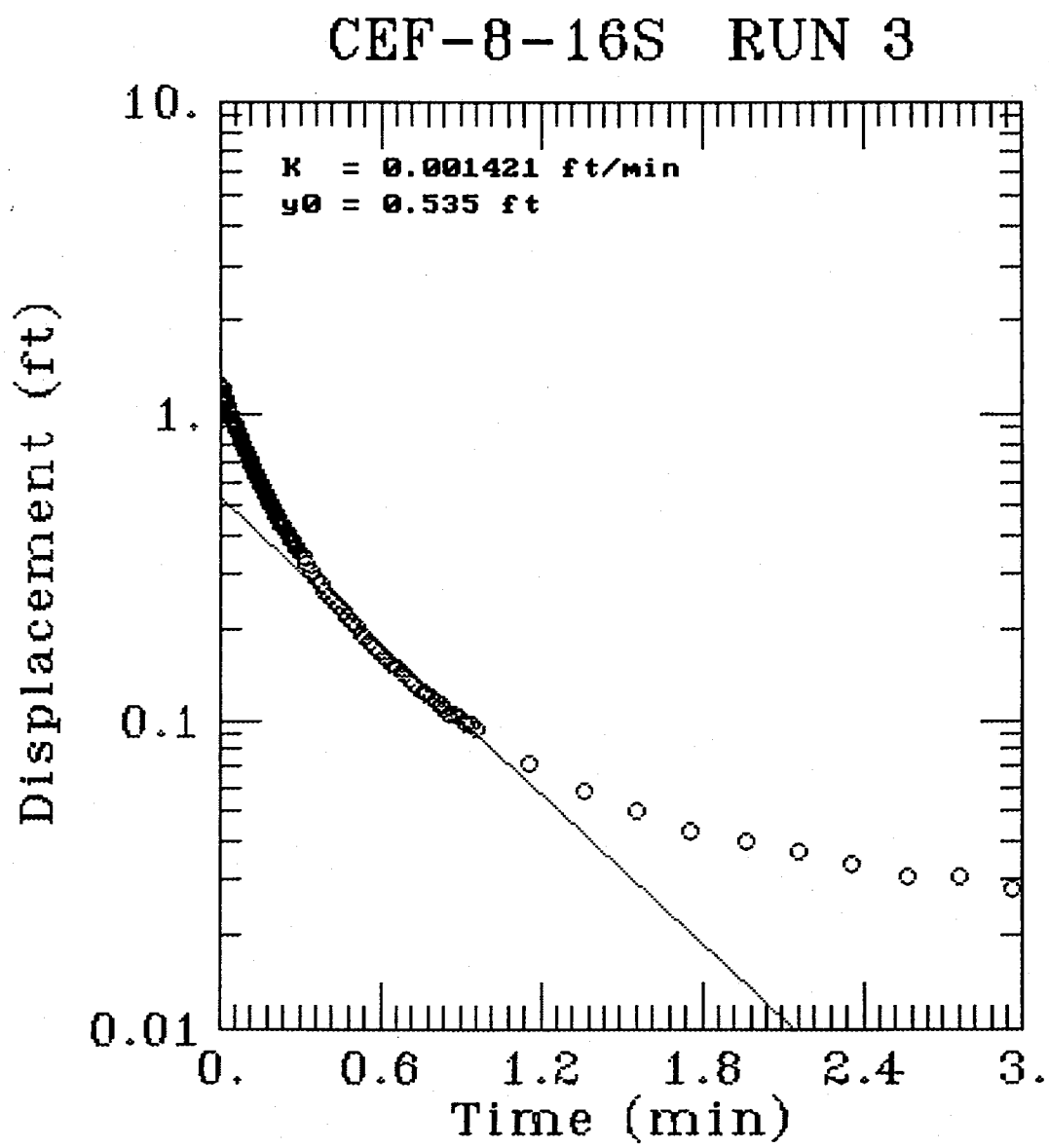
	Estimate
K =	3.5824E-004
y0 =	-1.#NANE+000

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

TYPE CURVE DATA

K = 1.42107E-003
y0 = 5.34977E-001

Time	Drawdown	Time	Drawdown
0.000E+000	5.350E-001	3.000E+000	2.018E-003


CEF-8-16S RUN 3
K = 0.001421 ft/min
y0 = 0.535 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/30 17:24

Unit# 00008 Test 8

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-16S RUN 3

Step 0 05/30 16:26:44

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	-0.003
0.0066	0.000
0.0100	0.282
0.0133	0.649
0.0166	0.856
0.0200	0.681
0.0233	0.508
0.0266	0.273
0.0300	0.662
0.0333	1.305
0.0366	1.107
0.0400	1.443
0.0433	1.217
0.0466	1.202
0.0500	1.205
0.0533	1.151
0.0566	1.139
0.0600	1.120
0.0633	1.089
0.0666	1.073
0.0700	1.054
0.0733	1.035
0.0766	1.016
0.0800	0.998
0.0833	0.985
0.0866	0.966
0.0900	0.947
0.0933	0.935
0.0966	0.916
0.1000	0.904
0.1033	0.891
0.1066	0.875
0.1100	0.860
0.1133	0.847
0.1166	0.834
0.1200	0.822
0.1233	0.809
0.1266	0.797
0.1300	0.784
0.1333	0.772
0.1366	0.759
0.1400	0.750
0.1433	0.737
0.1466	0.725

Step 0 05/30 16:26:44

Elapsed Time	INPUT 1
0.1500	0.715
0.1533	0.703
0.1566	0.693
0.1600	0.684
0.1633	0.674
0.1666	0.665
0.1700	0.656
0.1733	0.646
0.1766	0.637
0.1800	0.627
0.1833	0.618
0.1866	0.608
0.1900	0.602
0.1933	0.593
0.1966	0.587
0.2000	0.577
0.2033	0.568
0.2066	0.561
0.2100	0.555
0.2133	0.546
0.2166	0.539
0.2200	0.530
0.2233	0.524
0.2266	0.517
0.2300	0.511
0.2333	0.505
0.2366	0.499
0.2400	0.492
0.2433	0.486
0.2466	0.480
0.2500	0.474
0.2533	0.467
0.2566	0.461
0.2600	0.458
0.2633	0.452
0.2666	0.445
0.2700	0.442
0.2733	0.436
0.2766	0.430
0.2800	0.426
0.2833	0.423
0.2866	0.414
0.2900	0.414
0.2933	0.411
0.2966	0.404
0.3000	0.398
0.3033	0.395
0.3066	0.392
0.3100	0.386
0.3133	0.386
0.3166	0.379
0.3200	0.376
0.3233	0.370
0.3266	0.367
0.3300	0.364
0.3333	0.361
0.3500	0.342
0.3666	0.326
0.3833	0.307
0.4000	0.291
0.4166	0.279
0.4333	0.266
0.4500	0.257

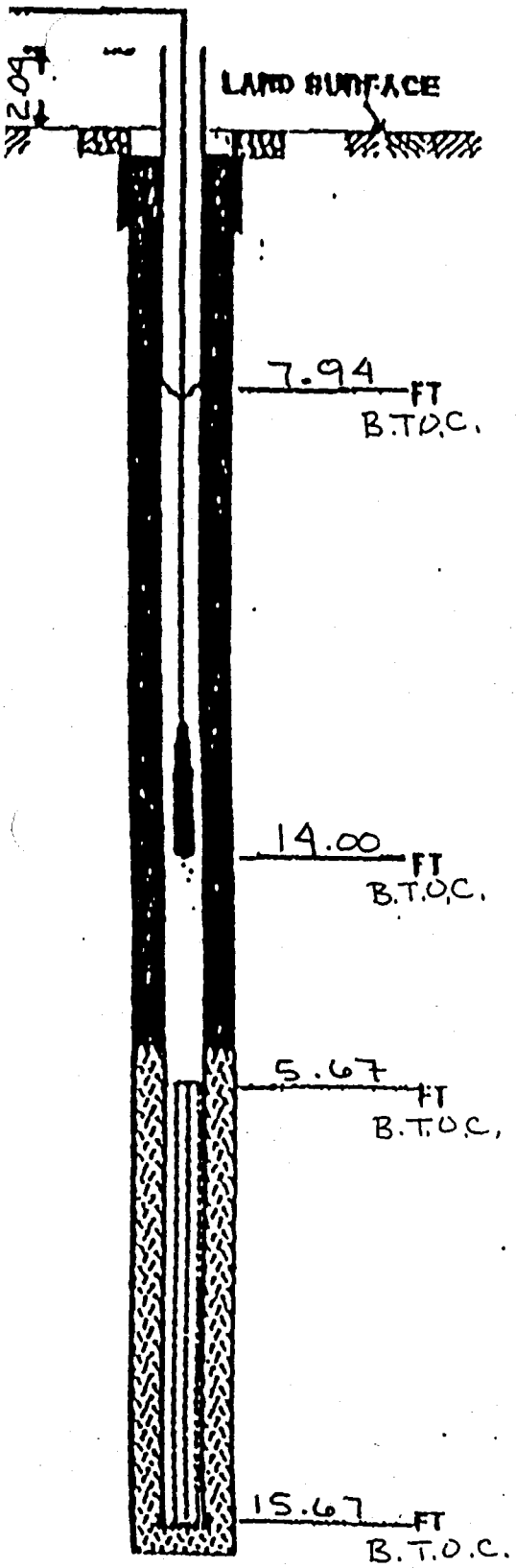
CEF-8-16S RUN 3
(CON'T) PAGE 2
Step 0 05/30 16:26:44

Elapsed Time	INPUT 1
0.4666	0.248
0.4833	0.238
0.5000	0.229
0.5166	0.219
0.5333	0.210
0.5500	0.204
0.5666	0.194
0.5833	0.188
0.6000	0.182
0.6166	0.175
0.6333	0.169
0.6500	0.163
0.6666	0.160
0.6833	0.153
0.7000	0.150
0.7166	0.144
0.7333	0.141
0.7500	0.138
0.7666	0.131
0.7833	0.128
0.8000	0.125
0.8166	0.122
0.8333	0.119
0.8500	0.116
0.8666	0.113
0.8833	0.109
0.9000	0.106
0.9166	0.106
0.9333	0.103
0.9500	0.100
0.9666	0.097
0.9833	0.097
1.0000	0.094
1.2000	0.072
1.4000	0.059
1.6000	0.050
1.8000	0.043
2.0000	0.040
2.2000	0.037
2.4000	0.034
2.6000	0.031
2.8000	0.031
3.0000	0.028
3.2000	0.028
3.4000	0.025
3.6000	0.025
3.8000	0.025
4.0000	0.025
4.2000	0.021
4.4000	0.021
4.6000	0.021
4.8000	0.021
5.0000	0.021
5.2000	0.021
5.4000	0.021
5.6000	0.021
5.8000	0.021
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018

CEF-8-16S RUN 3
(CON'T) PAGE 2
Step 0 05/30 16:26:44

Elapsed Time	INPUT 1
7.2000	0.015
7.4000	0.015
7.6000	0.018
7.8000	0.018
8.0000	0.015
8.2000	0.015
8.4000	0.015
8.6000	0.015
8.8000	0.015
9.0000	0.015
9.2000	0.015
9.4000	0.015
9.6000	0.015
9.8000	0.015
10.0000	0.015

TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-16S PUMPING WELL ____

DATE 5-30-95 TIME 15:47

DATALOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 6	SEL 7	SEL 8

TIME OF INSTALLATION 15:47

STATIC DEPTH TO WATER 7.94 FT. ____ PSI

DEPTH OF TRANSDUCER 14' B.T.O.C.

CALIBRATION

DEPTH 10 FT 3.44 PSI

DEPTH 11 FT 4.47 PSI

DEPTH 12 FT 5.50 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 7.94' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (Y/N)

____ VERIFICATION OF DATA ACQUISITION (Y/N)

____ VERIFICATION OF DATA ACQUISITION (Y/N)

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

06/27/95 09:00:47

==

TEST DESCRIPTION

Data set........... cf817s2.set
Data set title..... CEF-8-17S RUN 2

Knowns and Constants:
No. of data points.................. 135
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 15.83
Log(Re/Rw).......................... 2.513
A, B, C............................. 2.760, 0.448, 0.000

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

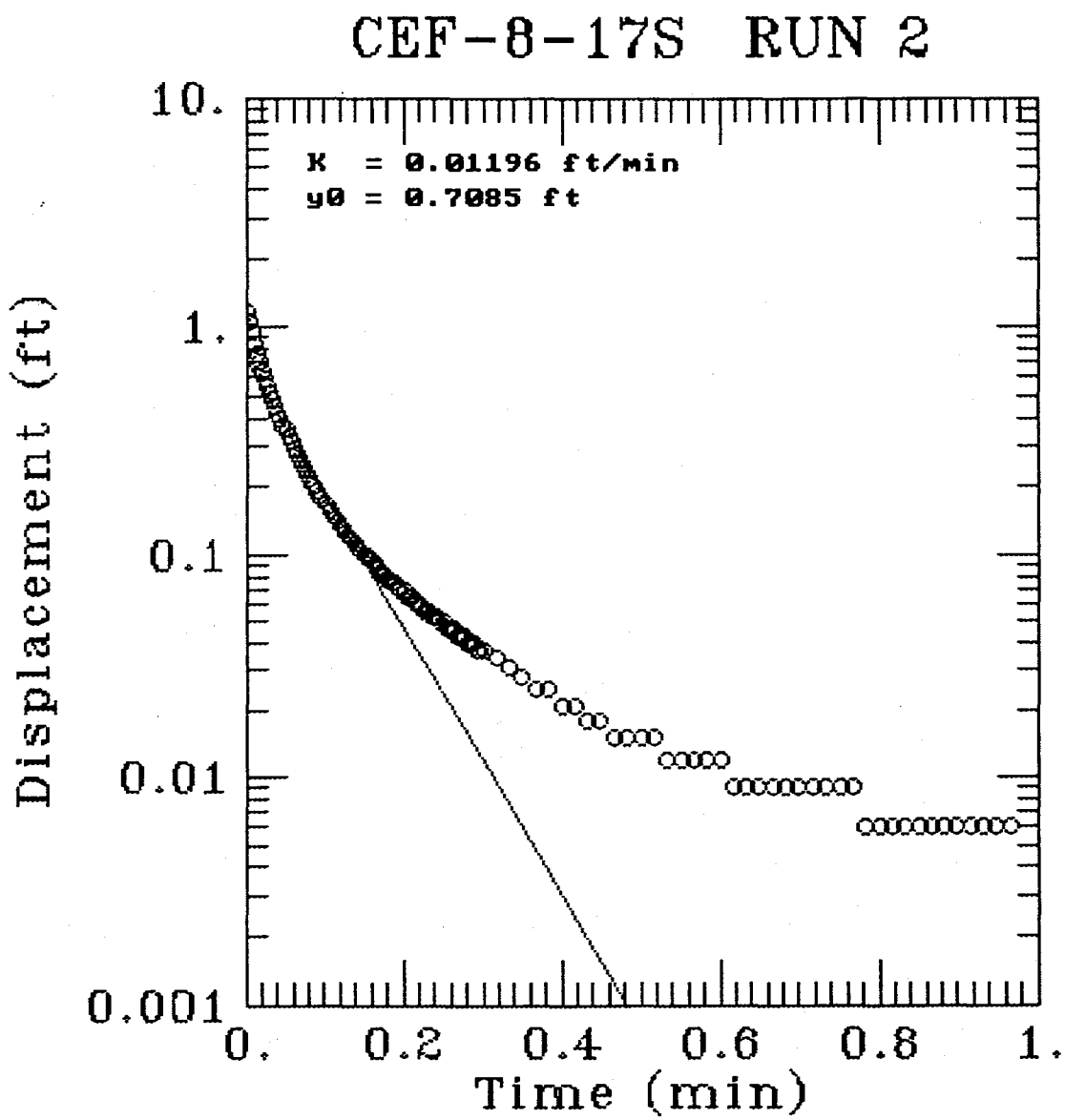
	Estimate
K =	3.5200E-003
y0 =	3.4658E-300

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

TYPE CURVE DATA

K = 1.19564E-002
y0 = 7.08455E-001

Time	Drawdown	Time	Drawdown
0.000E+000	7.085E-001	1.000E+000	7.929E-007


CEF-8-17S RUN 2
K = 0.01196 ft/min
y0 = 0.7085 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.2
0.4
0.6
0.8
1.
Time (min)

SE1000C
Environmental Logger
06/01 17:23

Unit# 00008 Test 3

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-17S RUN 2

Step 1 06/01 16:01:08

Elapsed Time	INPUT 1
0.0000	-0.003
0.0033	-0.003
0.0066	0.166
0.0100	0.530
0.0133	0.781
0.0166	0.784
0.0200	0.841
0.0233	0.904
0.0266	0.954
0.0300	1.161
0.0333	1.170
0.0366	1.045
0.0400	0.954
0.0433	0.853
0.0466	0.759
0.0500	0.703
0.0533	0.640
0.0566	0.590
0.0600	0.549
0.0633	0.511
0.0666	0.480
0.0700	0.448
0.0733	0.414
0.0766	0.392
0.0800	0.370
0.0833	0.354
0.0866	0.329
0.0900	0.314
0.0933	0.295
0.0966	0.279
0.1000	0.263
0.1033	0.251
0.1066	0.241
0.1100	0.229
0.1133	0.219
0.1166	0.207
0.1200	0.200
0.1233	0.191
0.1266	0.182
0.1300	0.175
0.1333	0.169
0.1366	0.163
0.1400	0.156
0.1433	0.150
0.1466	0.144

CEF-8-17S RUN 2

Step 1 06/01 16:01:08

Elapsed Time	INPUT 1
0.1500	0.141
0.1533	0.135
0.1566	0.131
0.1600	0.125
0.1633	0.122
0.1666	0.119
0.1700	0.116
0.1733	0.113
0.1766	0.106
0.1800	0.103
0.1833	0.100
0.1866	0.100
0.1900	0.097
0.1933	0.094
0.1966	0.091
0.2000	0.087
0.2033	0.084
0.2066	0.084
0.2100	0.081
0.2133	0.078
0.2166	0.078
0.2200	0.075
0.2233	0.075
0.2266	0.072
0.2300	0.069
0.2333	0.069
0.2366	0.065
0.2400	0.065
0.2433	0.065
0.2466	0.062
0.2500	0.062
0.2533	0.059
0.2566	0.059
0.2600	0.056
0.2633	0.056
0.2666	0.056
0.2700	0.053
0.2733	0.053
0.2766	0.053
0.2800	0.050
0.2833	0.050
0.2866	0.047
0.2900	0.047
0.2933	0.047
0.2966	0.047
0.3000	0.043
0.3033	0.043
0.3066	0.043
0.3100	0.043
0.3133	0.040
0.3166	0.040
0.3200	0.040
0.3233	0.040
0.3266	0.037
0.3300	0.037
0.3333	0.037
0.3500	0.034
0.3666	0.031
0.3833	0.028
0.4000	0.025
0.4166	0.025
0.4333	0.021
0.4500	0.021

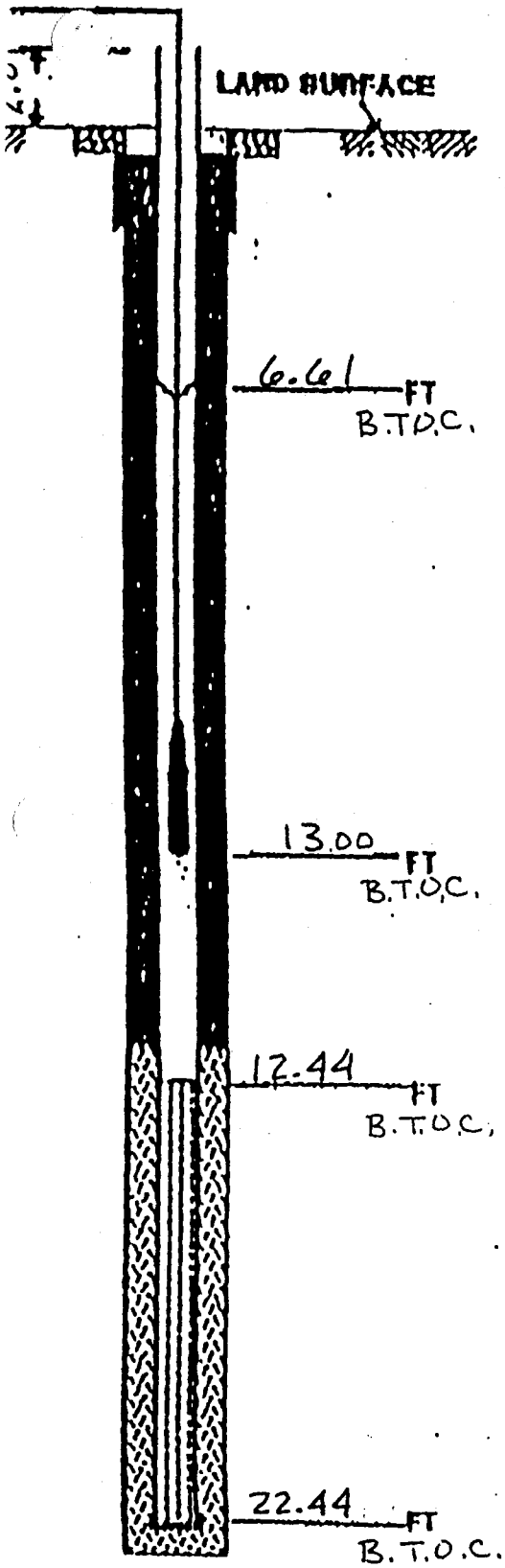
CEF-8-17S RUN 2
(CON'T) PAGE 2
Step 1 06/01 16:01:08

Elapsed Time	INPUT 1
0.4666	0.018
0.4833	0.018
0.5000	0.015
0.5166	0.015
0.5333	0.015
0.5500	0.015
0.5666	0.012
0.5833	0.012
0.6000	0.012
0.6166	0.012
0.6333	0.012
0.6500	0.009
0.6666	0.009
0.6833	0.009
0.7000	0.009
0.7166	0.009
0.7333	0.009
0.7500	0.009
0.7666	0.009
0.7833	0.009
0.8000	0.009
0.8166	0.006
0.8333	0.006
0.8500	0.006
0.8666	0.006
0.8833	0.006
0.9000	0.006
0.9166	0.006
0.9333	0.006
0.9500	0.006
0.9666	0.006
0.9833	0.006
1.0000	0.006
1.2000	0.003
1.4000	0.003
1.6000	0.003
1.8000	0.003
2.0000	0.000
2.2000	0.003
2.4000	0.003
2.6000	0.000
2.8000	0.000
3.0000	0.000
3.2000	0.000
3.4000	0.000
3.6000	0.003
3.8000	0.000
4.0000	0.000
4.2000	0.000
4.4000	0.003
4.6000	0.000
4.8000	0.003
5.0000	0.000
5.2000	0.000
5.4000	0.003
5.6000	0.003
5.8000	0.000
6.0000	0.003
6.2000	0.003
6.4000	0.003
6.6000	0.003
6.8000	0.003
7.0000	0.000

CEF-8-17S RUN 2
(CON'T) PAGE 2
Step 1 06/01 16:01:08

Elapsed Time	INPUT 1
7.2000	0.000
7.4000	0.003
7.6000	0.000
7.8000	0.000
8.0000	0.000
8.2000	0.003
8.4000	0.000
8.6000	0.003
8.8000	0.003
9.0000	0.000
9.2000	0.000
9.4000	0.003
9.6000	0.000
9.8000	0.000
10.0000	0.003

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT RI/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-17S PUMPING WELL ____

DATE 6-1-95 TIME 15:48

DATALOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

TEST DURATION R1 10 (SEL 3) R2 10 (Step 1) R3 10 (Step 2)

TIME OF INSTALLATION 15:48

STATIC DEPTH TO WATER 6.61 FT. ____ PSI

DEPTH OF TRANSDUCER 13' B.T.O.C.

CALIBRATION
DEPTH 8 FT 1.28 PSI
DEPTH 9 FT 2.21 PSI
DEPTH 10 FT 3.26 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 6.61' B.T.O.C.

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

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AQTESOLV RESULTS
Version 1.10

06/27/95 09:16:38

= =

TEST DESCRIPTION

Data set........... cf818s3.set
Data set title..... CEF-8-18S RUN 3

Knowns and Constants:
No. of data points.................. 346
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 9
Log(Re/Rw).......................... 2.269
A, B, C............................. 2.760, 0.448, 0.000

= =

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

= =

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	3.8613E-004
y0 =	7.6985E-290

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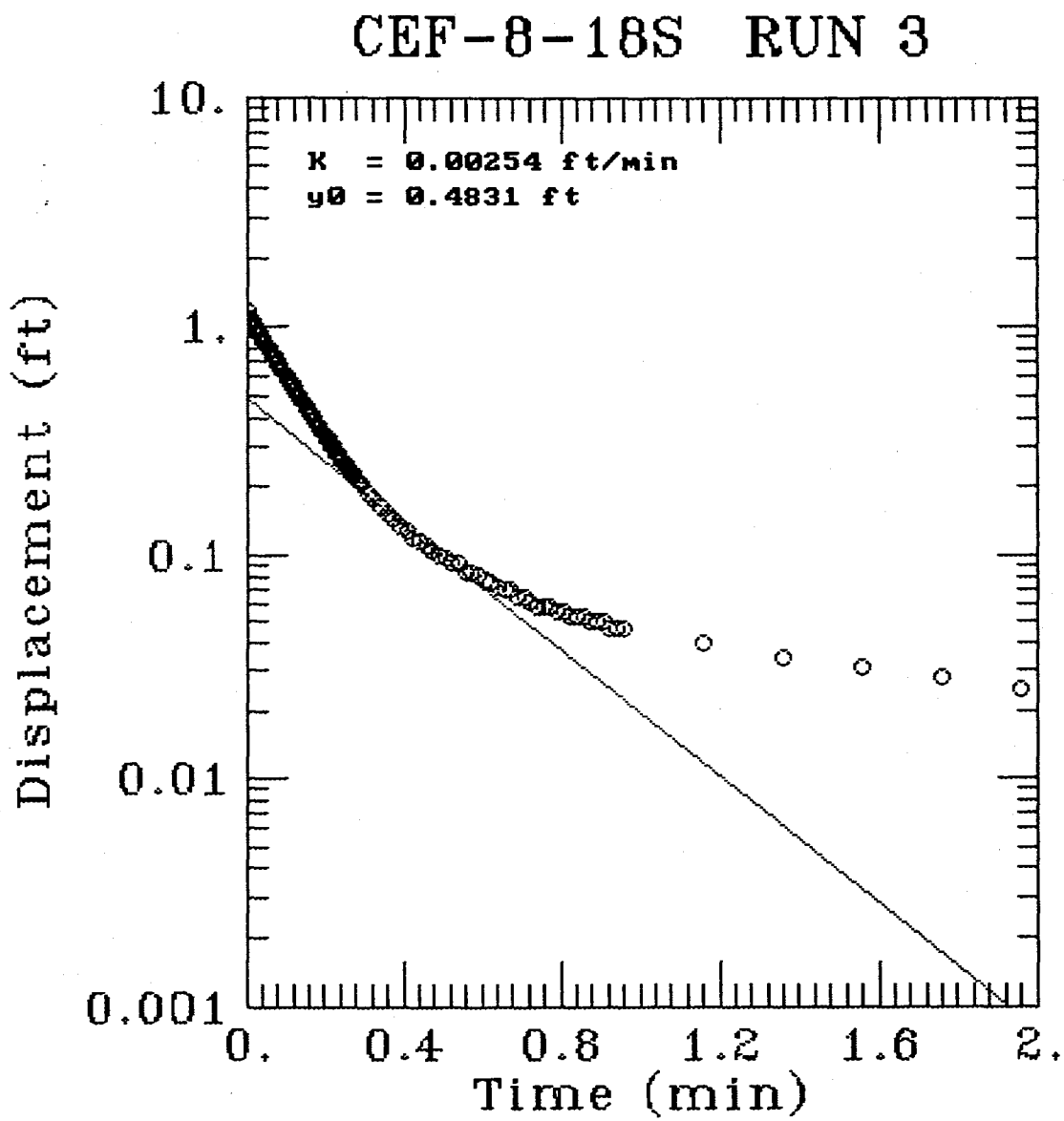
TYPE CURVE DATA

K = 2.54023E-003
y0 = 4.83128E-001

Time	Drawdown	Time	Drawdown
0.000E+000	4.831E-001	2.000E+000	7.648E-004


CEF-8-18S RUN 3
K = 0.00254 ft/min
y0 = 0.4831 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
05/30 17:07

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-18S RUN 3

Step 0 05/30 14:04:45

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.003
0.0100	0.147
0.0133	0.536
0.0166	0.734
0.0200	0.624
0.0233	0.439
0.0266	0.248
0.0300	0.414
0.0333	1.029
0.0366	1.277
0.0400	1.120
0.0433	1.174
0.0466	1.161
0.0500	1.095
0.0533	1.061
0.0566	1.054
0.0600	1.036
0.0633	1.004
0.0666	0.982
0.0700	0.963
0.0733	0.945
0.0766	0.923
0.0800	0.904
0.0833	0.885
0.0866	0.866
0.0900	0.850
0.0933	0.832
0.0966	0.813
0.1000	0.797
0.1033	0.781
0.1066	0.766
0.1100	0.747
0.1133	0.734
0.1166	0.719
0.1200	0.703
0.1233	0.690
0.1266	0.675
0.1300	0.659
0.1333	0.646
0.1366	0.634
0.1400	0.618
0.1433	0.605
0.1466	0.593

CEF-8-18S RUN 3

Step 0 05/30 14:04:45

Elapsed Time	INPUT 1
0.1500	0.580
0.1533	0.568
0.1566	0.558
0.1600	0.546
0.1633	0.536
0.1666	0.527
0.1700	0.514
0.1733	0.505
0.1766	0.492
0.1800	0.483
0.1833	0.477
0.1866	0.467
0.1900	0.458
0.1933	0.445
0.1966	0.439
0.2000	0.430
0.2033	0.420
0.2066	0.414
0.2100	0.405
0.2133	0.398
0.2166	0.389
0.2200	0.379
0.2233	0.373
0.2266	0.364
0.2300	0.357
0.2333	0.351
0.2366	0.345
0.2400	0.339
0.2433	0.332
0.2466	0.326
0.2500	0.320
0.2533	0.314
0.2566	0.307
0.2600	0.301
0.2633	0.298
0.2666	0.292
0.2700	0.285
0.2733	0.279
0.2766	0.276
0.2800	0.270
0.2833	0.263
0.2866	0.260
0.2900	0.254
0.2933	0.251
0.2966	0.244
0.3000	0.241
0.3033	0.238
0.3066	0.235
0.3100	0.229
0.3133	0.226
0.3166	0.222
0.3200	0.219
0.3233	0.216
0.3266	0.213
0.3300	0.210
0.3333	0.207
0.3500	0.188
0.3666	0.175
0.3833	0.163
0.4000	0.153
0.4166	0.144
0.4333	0.135
0.4500	0.128

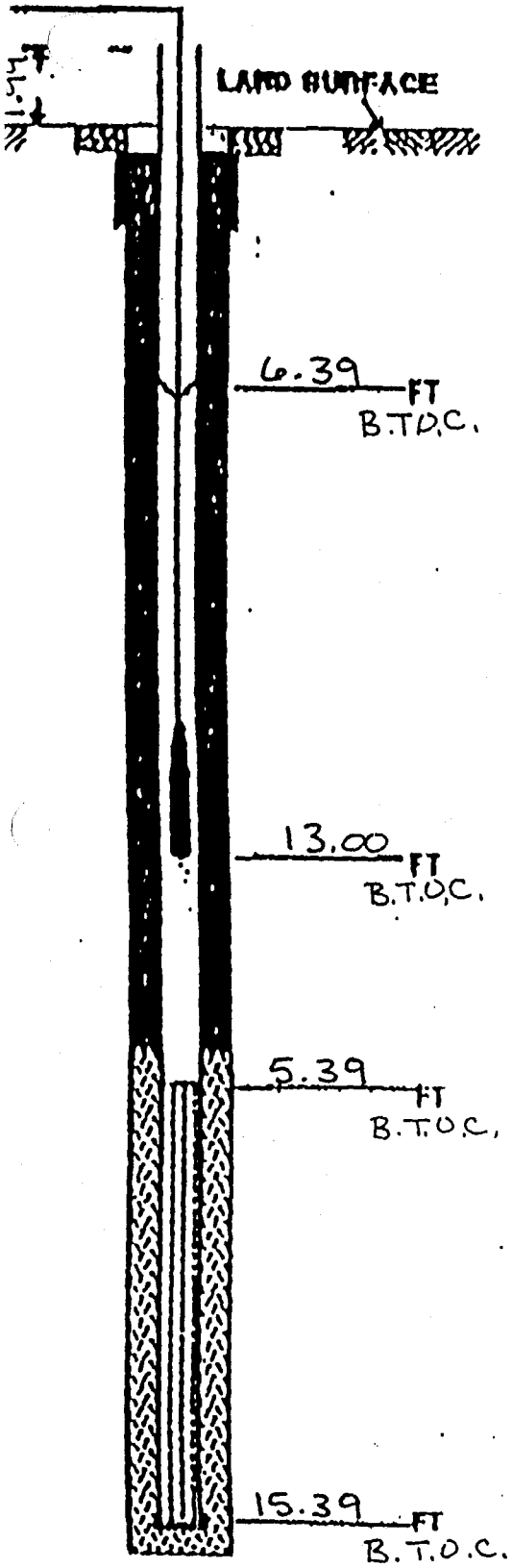
CEF-8-18S RUN 3
(CON'T) PAGE 2
Step 0 05/30 14:04:45

Elapsed Time	INPUT 1
0.4666	0.119
0.4833	0.116
0.5000	0.109
0.5166	0.103
0.5333	0.100
0.5500	0.097
0.5666	0.091
0.5833	0.091
0.6000	0.084
0.6166	0.084
0.6333	0.081
0.6500	0.078
0.6666	0.075
0.6833	0.072
0.7000	0.069
0.7166	0.069
0.7333	0.065
0.7500	0.065
0.7666	0.062
0.7833	0.059
0.8000	0.059
0.8166	0.059
0.8333	0.056
0.8500	0.056
0.8666	0.053
0.8833	0.053
0.9000	0.053
0.9166	0.050
0.9333	0.050
0.9500	0.050
0.9666	0.047
0.9833	0.047
1.0000	0.047
1.2000	0.040
1.4000	0.034
1.6000	0.031
1.8000	0.028
2.0000	0.025
2.2000	0.025
2.4000	0.021
2.6000	0.021
2.8000	0.018
3.0000	0.018
3.2000	0.018
3.4000	0.018
3.6000	0.015
3.8000	0.015
4.0000	0.015
4.2000	0.015
4.4000	0.015
4.6000	0.015
4.8000	0.012
5.0000	0.012
5.2000	0.012
5.4000	0.012
5.6000	0.012
5.8000	0.012
6.0000	0.012
6.2000	0.009
6.4000	0.009
6.6000	0.012
6.8000	0.009
7.0000	0.009

CEF-8-18S RUN 3
(CON'T) PAGE 2
Step 0 05/30 14:04:45

Elapsed Time	INPUT 1
7.2000	0.009
7.4000	0.009
7.6000	0.009
7.8000	0.009
8.0000	0.009
8.2000	0.009
8.4000	0.009
8.6000	0.009
8.8000	0.009
9.0000	0.009
9.2000	0.009
9.4000	0.009
9.6000	0.009
9.8000	0.009
10.0000	0.009

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-18S PUMPING WELL ____

DATE 5-30-95 TIME 13:36

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	SEL 1	SEL 2

TIME OF INSTALLATION 13:36

STATIC DEPTH TO WATER 6.39 FT. ____ PSI

DEPTH OF TRANSDUCER 13' B.T.O.C.

CALIBRATION
DEPTH 8 FT 1.81 PSI
DEPTH 9 FT 2.83 PSI
DEPTH 10 FT 3.85 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 6.39' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (1hr)
____ VERIFICATION OF DATA ACQUISITION (1hr)
____ VERIFICATION OF DATA ACQUISITION (1hr)

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

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

AQTESOLV RESULTS
Version 1.10

05/31/95 16:09:32

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TEST DESCRIPTION

Data set.......... cf819i3.set
Data set title..... CEF-8-19I RUN 3

Knowns and Constants:
No. of data points.................. 176
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 45.41
Log(Re/Rw).......................... 2.954
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

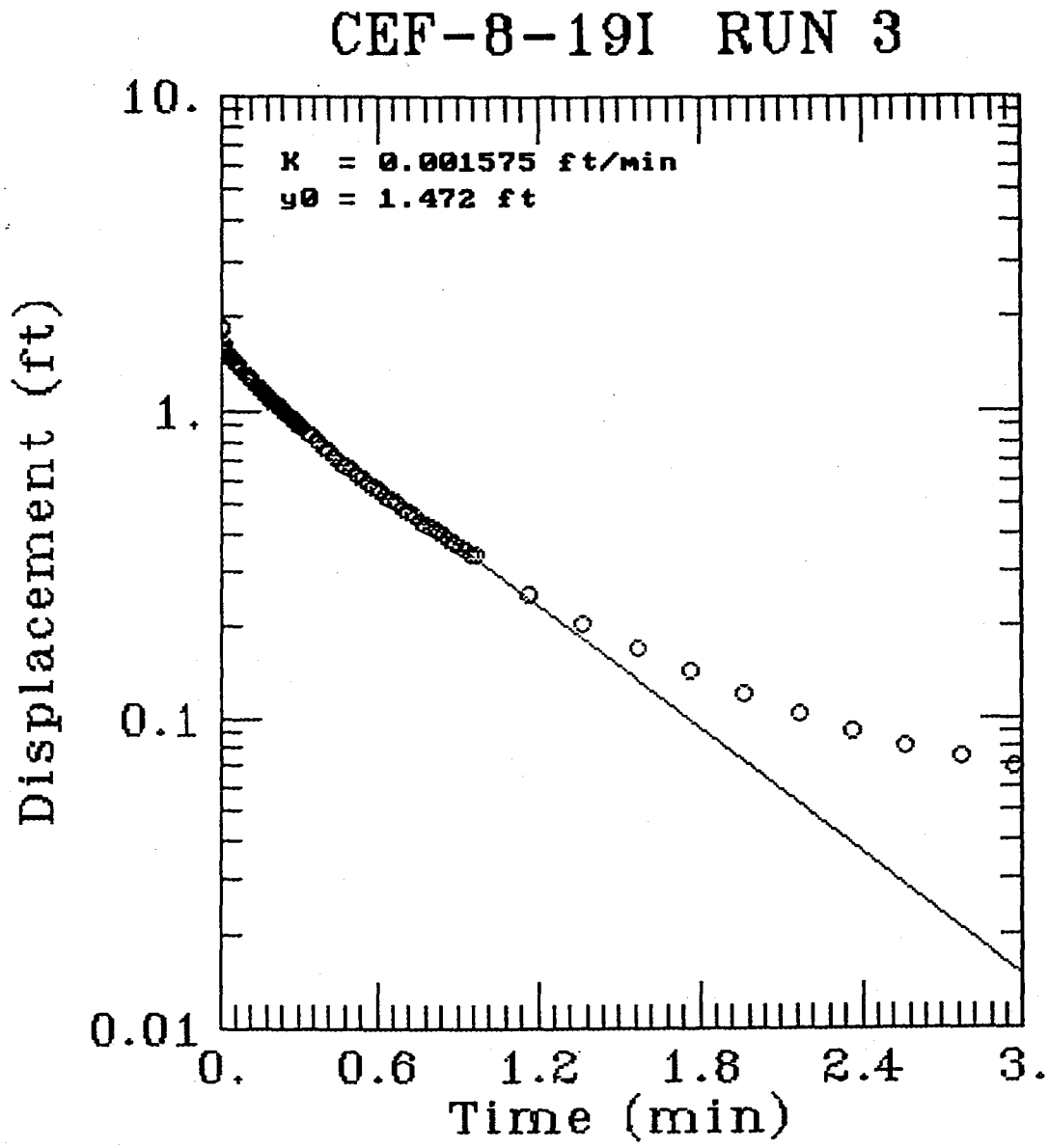
	Estimate
K =	5.0025E-004
y0 =	-2.5244E-183

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

TYPE CURVE DATA

K = 1.57481E-003
y0 = 1.47221E+000

Time	Drawdown	Time	Drawdown
0.000E+000	1.472E+000	3.000E+000	1.471E-002


CEF-8-19I RUN 3
K = 0.001575 ft/min
y0 = 1.472 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.6
1.2
1.8
2.4
3.
Time (min)

SE1000C
Environmental Logger
05/30 17:16

Unit# 00008 Test 5

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-19I RUN 3

Step 0 05/30 15:13:43

Elapsed Time	INPUT 1
0.0000	0.003
0.0033	0.000
0.0066	0.166
0.0100	0.797
0.0133	1.202
0.0166	1.230
0.0200	1.036
0.0233	1.105
0.0266	1.211
0.0300	1.472
0.0333	1.867
0.0366	1.811
0.0400	1.657
0.0433	1.616
0.0466	1.579
0.0500	1.563
0.0533	1.547
0.0566	1.541
0.0600	1.532
0.0633	1.516
0.0666	1.494
0.0700	1.488
0.0733	1.478
0.0766	1.459
0.0800	1.444
0.0833	1.434
0.0866	1.419
0.0900	1.416
0.0933	1.406
0.0966	1.397
0.1000	1.387
0.1033	1.375
0.1066	1.362
0.1100	1.356
0.1133	1.346
0.1166	1.334
0.1200	1.328
0.1233	1.318
0.1266	1.309
0.1300	1.299
0.1333	1.290
0.1366	1.284
0.1400	1.274
0.1433	1.265
0.1466	1.259

CEF-8-19I RUN 3

Step 0 05/30 15:13:43

Elapsed Time	INPUT 1
0.1500	1.249
0.1533	1.240
0.1566	1.233
0.1600	1.224
0.1633	1.218
0.1666	1.208
0.1700	1.202
0.1733	1.196
0.1766	1.186
0.1800	1.180
0.1833	1.174
0.1866	1.164
0.1900	1.158
0.1933	1.152
0.1966	1.146
0.2000	1.136
0.2033	1.130
0.2066	1.124
0.2100	1.117
0.2133	1.111
0.2166	1.105
0.2200	1.098
0.2233	1.092
0.2266	1.086
0.2300	1.080
0.2333	1.073
0.2366	1.067
0.2400	1.061
0.2433	1.055
0.2466	1.048
0.2500	1.042
0.2533	1.036
0.2566	1.029
0.2600	1.023
0.2633	1.017
0.2666	1.014
0.2700	1.007
0.2733	1.001
0.2766	0.995
0.2800	0.989
0.2833	0.985
0.2866	0.979
0.2900	0.973
0.2933	0.967
0.2966	0.964
0.3000	0.957
0.3033	0.951
0.3066	0.948
0.3100	0.942
0.3133	0.938
0.3166	0.932
0.3200	0.926
0.3233	0.923
0.3266	0.916
0.3300	0.913
0.3333	0.907
0.3500	0.882
0.3666	0.857
0.3833	0.832
0.4000	0.810
0.4166	0.788
0.4333	0.766
0.4500	0.747

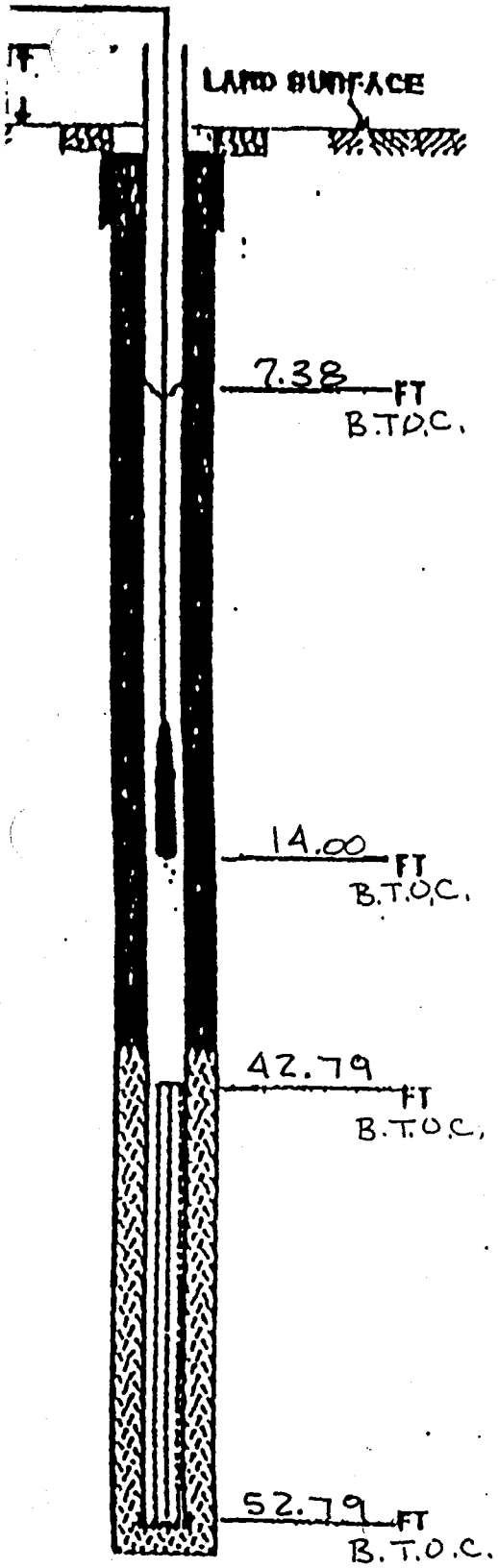
CEF-8-19I RUN 3
(CON'T) PAGE 2
Step 0 05/30 15:13:43

Elapsed Time	INPUT 1
0.4666	0.725
0.4833	0.706
0.5000	0.687
0.5166	0.672
0.5333	0.653
0.5500	0.637
0.5666	0.621
0.5833	0.606
0.6000	0.590
0.6166	0.577
0.6333	0.562
0.6500	0.549
0.6666	0.536
0.6833	0.524
0.7000	0.511
0.7166	0.499
0.7333	0.486
0.7500	0.477
0.7666	0.464
0.7833	0.455
0.8000	0.445
0.8166	0.436
0.8333	0.427
0.8500	0.414
0.8666	0.408
0.8833	0.398
0.9000	0.389
0.9166	0.379
0.9333	0.373
0.9500	0.364
0.9666	0.358
0.9833	0.348
1.0000	0.342
1.2000	0.254
1.4000	0.204
1.6000	0.169
1.8000	0.141
2.0000	0.119
2.2000	0.103
2.4000	0.091
2.6000	0.081
2.8000	0.075
3.0000	0.069
3.2000	0.062
3.4000	0.056
3.6000	0.053
3.8000	0.053
4.0000	0.050
4.2000	0.050
4.4000	0.043
4.6000	0.043
4.8000	0.040
5.0000	0.040
5.2000	0.040
5.4000	0.040
5.6000	0.037
5.8000	0.034
6.0000	0.034
6.2000	0.031
6.4000	0.031
6.6000	0.031
6.8000	0.031
7.0000	0.031

CEF-8-19I RUN 3
(CON'T) PAGE 2
Step 0 05/30 15:13:43

Elapsed Time	INPUT 1
7.2000	0.031
7.4000	0.031
7.6000	0.031
7.8000	0.028
8.0000	0.028
8.2000	0.028
8.4000	0.028
8.6000	0.028
8.8000	0.028
9.0000	0.028
9.2000	0.028
9.4000	0.028
9.6000	0.028
9.8000	0.031
10.0000	0.031

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-19I PUMPING WELL ____

DATE 5-30-95 TIME 14:38

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL 3	SEL 4	SEL 5

TIME OF INSTALLATION 14:38

STATIC DEPTH TO WATER 7.38 FT. ____ PSI

DEPTH OF TRANSDUCER 14' B.T.O.C.

CALIBRATION

DEPTH 10 FT 3.28 PSI

DEPTH 11 FT 4.33 PSI

DEPTH 12 FT 5.40 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 7.38' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

____ VERIFICATION OF DATA ACQUISITION (1M)

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

06/02/95 13:37:15

==

TEST DESCRIPTION

Data set.......... cf820d3.set
Data set title..... CEF-8-20D RUN 3

Knowns and Constants:
- No. of data points.................. 159
- Radius of well casing............... 0.08333
- Radius of well...................... 0.25
- Aquifer saturated thickness......... 90
- Well screen length.................. 10
- Static height of water in well...... 78.23
- Log(Re/Rw).......................... 3.294
- A, B, C............................ 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

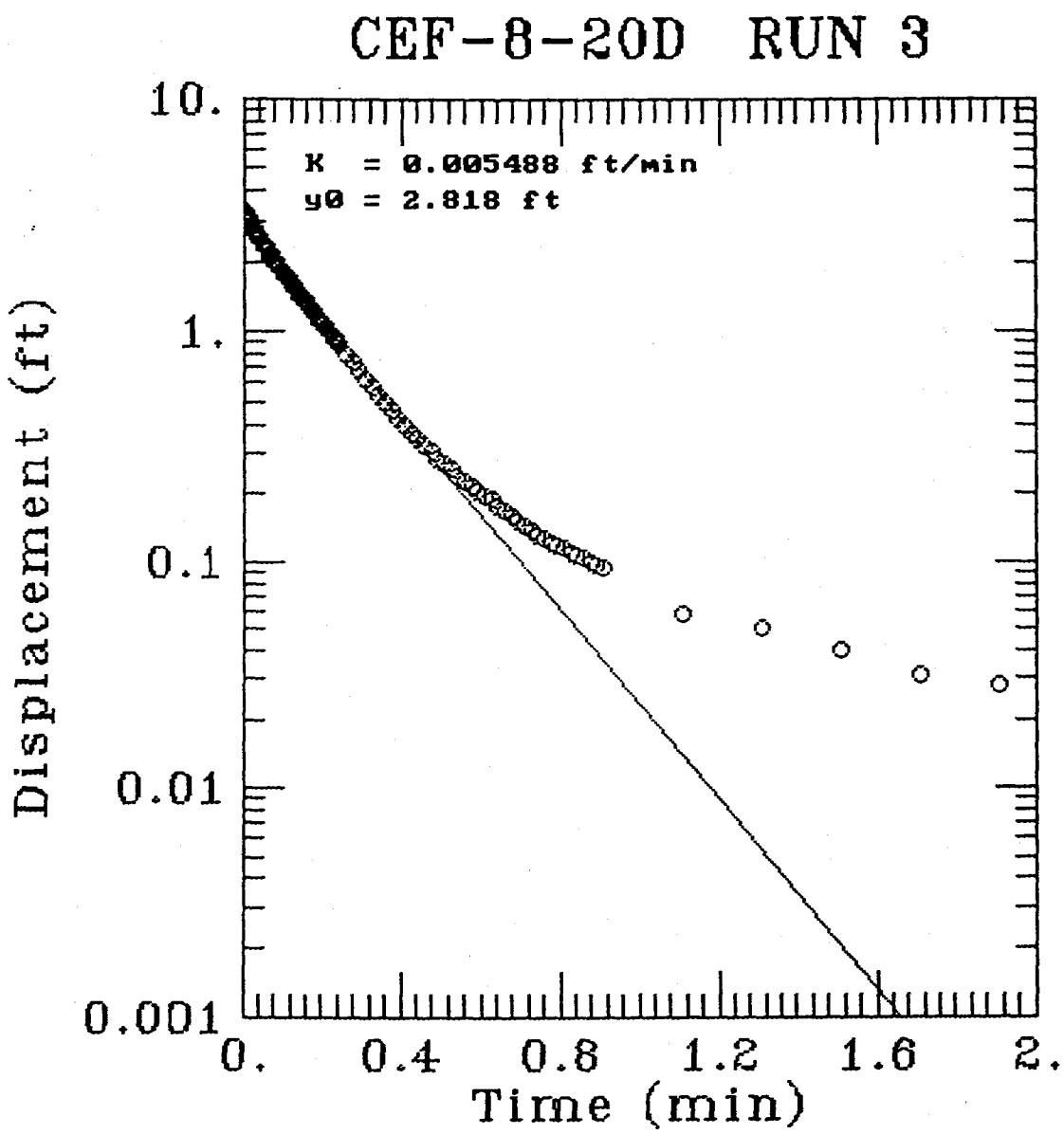
	Estimate
K =	5.4876E-003
y0 =	2.4338E-124

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

TYPE CURVE DATA

K = 5.48760E-003
y0 = 2.81838E+000

Time	Drawdown	Time	Drawdown
0.000E+000	2.818E+000	2.000E+000	1.917E-004


CEF-8-20D RUN 3
K = 0.005488 ft/min
y0 = 2.818 ft
10.
1.
0.1
0.01
0.001
Displacement (ft)
0.
0.4
0.8
1.2
1.6
2.
Time (min)

SE1000C
Environmental Logger
06/01 17:01

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-20D RUN 3

Step 2 06/01 12:22:28

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	0.031
0.0100	1.565
0.0133	2.333
0.0166	2.478
0.0200	2.059
0.0233	1.659
0.0266	1.439
0.0300	1.285
0.0333	1.351
0.0366	2.059
0.0400	2.204
0.0433	1.889
0.0466	1.864
0.0500	1.722
0.0533	2.207
0.0566	2.695
0.0600	2.434
0.0633	2.802
0.0666	2.217
0.0700	2.550
0.0733	2.730
0.0766	3.265
0.0800	2.906
0.0833	3.029
0.0866	3.154
0.0900	3.290
0.0933	3.217
0.0966	3.183
0.1000	3.101
0.1033	3.016
0.1066	2.969
0.1100	2.884
0.1133	2.827
0.1166	2.761
0.1200	2.701
0.1233	2.635
0.1266	2.585
0.1300	2.538
0.1333	2.494
0.1366	2.427
0.1400	2.390
0.1433	2.327
0.1466	2.295

CEF-8-20D RUN 3

Step 2 06/01 12:22:28

Elapsed Time	INPUT 1
0.1500	2.251
0.1533	2.062
0.1566	2.122
0.1600	2.138
0.1633	2.125
0.1666	2.028
0.1700	2.028
0.1733	1.980
0.1766	1.940
0.1800	1.905
0.1833	1.870
0.1866	1.842
0.1900	1.795
0.1933	1.766
0.1966	1.748
0.2000	1.713
0.2033	1.685
0.2066	1.656
0.2100	1.628
0.2133	1.600
0.2166	1.571
0.2200	1.546
0.2233	1.518
0.2266	1.493
0.2300	1.467
0.2333	1.442
0.2366	1.417
0.2400	1.395
0.2433	1.370
0.2466	1.348
0.2500	1.326
0.2533	1.304
0.2566	1.281
0.2600	1.263
0.2633	1.241
0.2666	1.218
0.2700	1.200
0.2733	1.181
0.2766	1.162
0.2800	1.143
0.2833	1.124
0.2866	1.105
0.2900	1.086
0.2933	1.071
0.2966	1.052
0.3000	1.036
0.3033	1.017
0.3066	1.001
0.3100	0.985
0.3133	0.970
0.3166	0.954
0.3200	0.938
0.3233	0.922
0.3266	0.910
0.3300	0.894
0.3333	0.882
0.3500	0.806
0.3666	0.743
0.3833	0.683
0.4000	0.630
0.4166	0.579
0.4333	0.535
0.4500	0.494

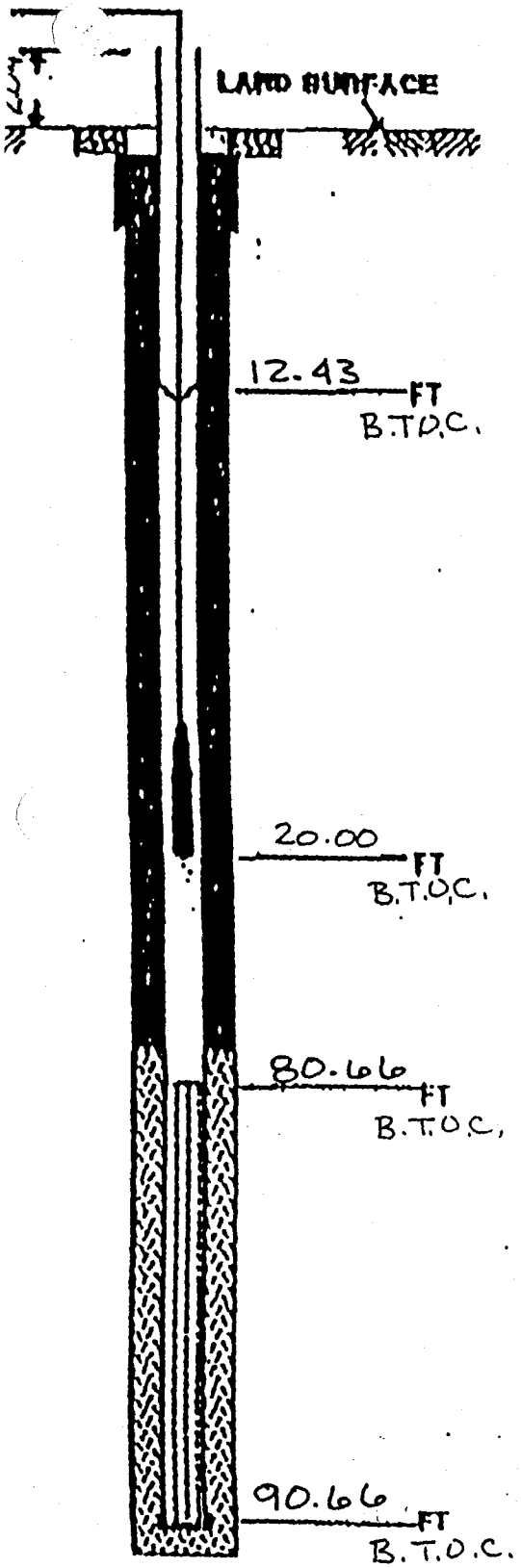
CEF-8-20D RUN 3
(CON'T) PAGE 2
Step 2 06/01 12:22:28

Elapsed Time	INPUT 1
0.4666	0.459
0.4833	0.425
0.5000	0.396
0.5166	0.371
0.5333	0.346
0.5500	0.324
0.5666	0.305
0.5833	0.286
0.6000	0.270
0.6166	0.255
0.6333	0.242
0.6500	0.230
0.6666	0.217
0.6833	0.204
0.7000	0.198
0.7166	0.189
0.7333	0.176
0.7500	0.170
0.7666	0.160
0.7833	0.151
0.8000	0.145
0.8166	0.138
0.8333	0.132
0.8500	0.129
0.8666	0.122
0.8833	0.119
0.9000	0.116
0.9166	0.110
0.9333	0.107
0.9500	0.104
0.9666	0.100
0.9833	0.097
1.0000	0.094
1.2000	0.059
1.4000	0.050
1.6000	0.040
1.8000	0.031
2.0000	0.028
2.2000	0.025
2.4000	0.022
2.6000	0.022
2.8000	0.018
3.0000	0.018
3.2000	0.018
3.4000	0.015
3.6000	0.015
3.8000	0.012
4.0000	0.012
4.2000	0.012
4.4000	0.009
4.6000	0.009
4.8000	0.009
5.0000	0.009
5.2000	0.009
5.4000	0.009
5.6000	0.006
5.8000	0.006
6.0000	0.006
6.2000	0.006
6.4000	0.006
6.6000	0.006
6.8000	0.006
7.0000	0.006

CEF-8-20D RUN 3
(CON'T) PAGE 2
Step 2 06/01 12:22:28

Elapsed Time	INPUT 1
7.2000	0.006
7.4000	0.006
7.6000	0.006
7.8000	0.003
8.0000	0.003
8.2000	0.003
8.4000	0.003
8.6000	0.003
8.8000	0.003
9.0000	0.003
9.2000	0.006
9.4000	0.003
9.6000	0.003
9.8000	0.003
10.0000	0.003

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-20D PUMPING WELL ____

DATE 6-1-95 TIME 11:44

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SEL Ø	Step 1	Step 2

TIME OF INSTALLATION 11:44

STATIC DEPTH TO WATER 12.43 FT. ____ PSI

DEPTH OF TRANSDUCER 26' B.T.O.C.

CALIBRATION
DEPTH 14 FT 2.29 PSI
DEPTH 15 FT 3.36 PSI
DEPTH 16 FT 4.38 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 12.43' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)

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

06/02/95 14:14:23

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TEST DESCRIPTION

Data set.......... cf821s3.set
Data set title..... CEF-8-21S RUN 3

Knowns and Constants:
No. of data points.................. 171
Radius of well casing............... 0.08333
Radius of well...................... 0.25
Aquifer saturated thickness......... 90
Well screen length.................. 10
Static height of water in well...... 9.61
Log(Re/Rw).......................... 2.298
A, B, C............................. 2.760, 0.448, 0.000

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ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

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RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

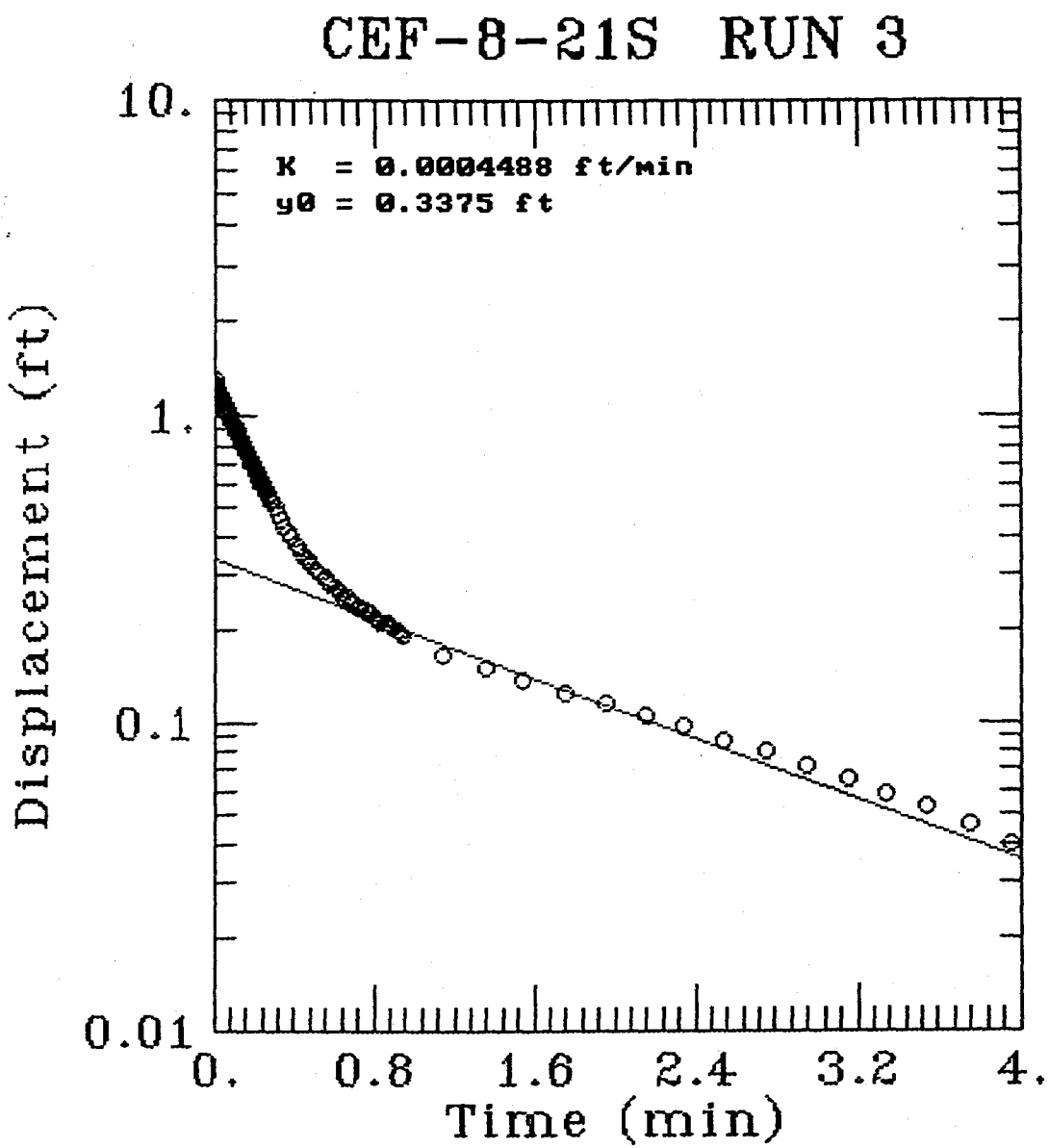
	Estimate
K =	3.8875E-004
y0 =	-6.2564E-039

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

TYPE CURVE DATA

K = 4.48767E-004
y0 = 3.37490E-001

Time	Drawdown	Time	Drawdown
0.000E+000	3.375E-001	4.000E+000	3.559E-002


CEF-8-21S RUN 3
K = 0.0004488 ft/min
y0 = 0.3375 ft
10.
1.
0.1
0.01
Displacement (ft)
0.
0.8
1.6
2.4
3.2
4.
Time (min)

SE1000C
Environmental Logger
06/01 17:17

Unit# 00008 Test 2

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-21S RUN 3

Step 2 06/01 15:16:45

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.021
0.0066	0.646
0.0100	1.309
0.0133	1.491
0.0166	1.497
0.0200	1.108
0.0233	1.230
0.0266	1.293
0.0300	1.726
0.0333	1.350
0.0366	1.224
0.0400	1.387
0.0433	1.300
0.0466	1.271
0.0500	1.293
0.0533	1.246
0.0566	1.240
0.0600	1.234
0.0633	1.212
0.0666	1.199
0.0700	1.187
0.0733	1.174
0.0766	1.161
0.0800	1.143
0.0833	1.133
0.0866	1.121
0.0900	1.111
0.0933	1.099
0.0966	1.089
0.1000	1.077
0.1033	1.067
0.1066	1.055
0.1100	1.042
0.1133	1.033
0.1166	1.023
0.1200	1.011
0.1233	1.001
0.1266	0.992
0.1300	0.979
0.1333	0.970
0.1366	0.960
0.1400	0.948
0.1433	0.938
0.1466	0.929

CEF-8-21S RUN 3

Step 2 06/01 15:16:45

Elapsed Time	INPUT 1
0.1500	0.920
0.1533	0.910
0.1566	0.901
0.1600	0.891
0.1633	0.882
0.1666	0.873
0.1700	0.863
0.1733	0.854
0.1766	0.844
0.1800	0.835
0.1833	0.825
0.1866	0.819
0.1900	0.810
0.1933	0.800
0.1966	0.794
0.2000	0.785
0.2033	0.775
0.2066	0.769
0.2100	0.760
0.2133	0.753
0.2166	0.744
0.2200	0.734
0.2233	0.728
0.2266	0.722
0.2300	0.712
0.2333	0.706
0.2366	0.700
0.2400	0.690
0.2433	0.684
0.2466	0.678
0.2500	0.672
0.2533	0.662
0.2566	0.656
0.2600	0.650
0.2633	0.643
0.2666	0.637
0.2700	0.631
0.2733	0.624
0.2766	0.618
0.2800	0.612
0.2833	0.606
0.2866	0.599
0.2900	0.593
0.2933	0.587
0.2966	0.584
0.3000	0.577
0.3033	0.571
0.3066	0.565
0.3100	0.559
0.3133	0.555
0.3166	0.549
0.3200	0.543
0.3233	0.540
0.3266	0.533
0.3300	0.530
0.3333	0.524
0.3500	0.499
0.3666	0.474
0.3833	0.455
0.4000	0.433
0.4166	0.414
0.4333	0.398
0.4500	0.383

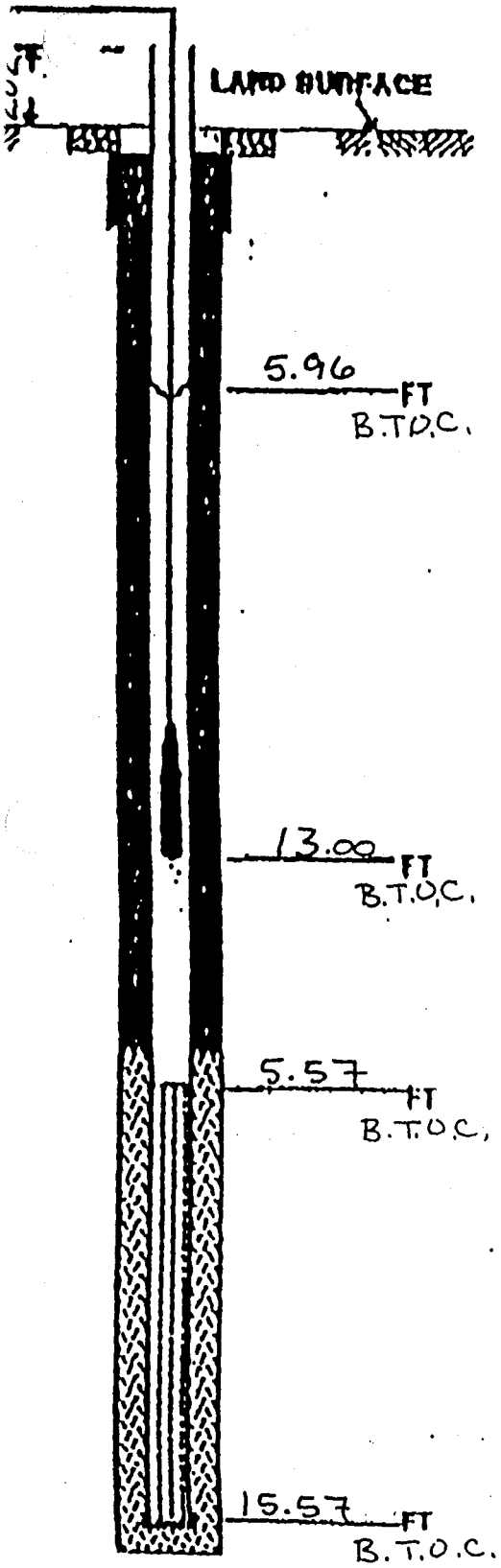
CEF-8-21S RUN 3
(CON'T) PAGE 2
Step 2 06/01 15:16:45

Elapsed Time	INPUT 1
0.4666	0.370
0.4833	0.358
0.5000	0.345
0.5166	0.336
0.5333	0.326
0.5500	0.317
0.5666	0.307
0.5833	0.301
0.6000	0.295
0.6166	0.285
0.6333	0.279
0.6500	0.276
0.6666	0.270
0.6833	0.263
0.7000	0.257
0.7166	0.254
0.7333	0.248
0.7500	0.244
0.7666	0.238
0.7833	0.235
0.8000	0.232
0.8166	0.229
0.8333	0.226
0.8500	0.219
0.8666	0.216
0.8833	0.213
0.9000	0.210
0.9166	0.210
0.9333	0.207
0.9500	0.204
0.9666	0.201
0.9833	0.197
1.0000	0.194
1.2000	0.166
1.4000	0.150
1.6000	0.138
1.8000	0.125
2.0000	0.116
2.2000	0.106
2.4000	0.097
2.6000	0.087
2.8000	0.081
3.0000	0.072
3.2000	0.065
3.4000	0.059
3.6000	0.053
3.8000	0.047
4.0000	0.040
4.2000	0.034
4.4000	0.031
4.6000	0.028
4.8000	0.028
5.0000	0.025
5.2000	0.025
5.4000	0.021
5.6000	0.021
5.8000	0.018
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018

CEF-8-21S RUN 3
(CON'T) PAGE 2
Step 2 06/01 15:16:45

Elapsed Time	INPUT 1
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.018
8.0000	0.018
8.2000	0.018
8.4000	0.018
8.6000	0.018
8.8000	0.018
9.0000	0.018
9.2000	0.018
9.4000	0.018
9.6000	0.018
9.8000	0.018
10.0000	0.018

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-B-21S PUMPING WELL ____

DATE 6-1-95 TIME 14:48

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #. 1

	R1	R2	R3
TEST DURATION	10	10	10
	SGL 2	Step 1	Step 2

TIME OF INSTALLATION 14:48

STATIC DEPTH TO WATER 5.96 FT. ____ PSI

DEPTH OF TRANSDUCER 13' B.T.O.C.

CALIBRATION

DEPTH 7 FT 1.38 PSI

DEPTH 8 FT 2.46 PSI

DEPTH 9 FT 3.48 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 5.96' B.T.O.C.

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

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

AQTESOLV RESULTS
Version 1.10

06/28/95 08:11:22

==

TEST DESCRIPTION

Data set........... cf822d3.set
Data set title..... CEF-8-22D RUN 3

Knowns and Constants:
No. of data points.................. 125
Pumping rate........................ 1
Radius to obs. well................ 0.08333

==

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
T =	6.3550E-002
S =	1.0000E-004

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

TYPE CURVE DATA

T = 6.35501E-002
S = 1.00000E-004

Time	Drawdown	Time	Drawdown	Time	Drawdown
1.000E-004	2.006E+000	1.122E-004	2.006E+000	1.259E-004	2.005E+000
1.413E-004	2.005E+000	1.585E-004	2.004E+000	1.778E-004	2.004E+000
1.995E-004	2.003E+000	2.239E-004	2.002E+000	2.512E-004	2.002E+000
2.818E-004	2.001E+000	3.162E-004	2.000E+000	3.548E-004	1.999E+000
3.981E-004	1.998E+000	4.467E-004	1.997E+000	5.012E-004	1.995E+000
5.623E-004	1.994E+000	6.310E-004	1.993E+000	7.079E-004	1.991E+000
7.943E-004	1.989E+000	8.913E-004	1.987E+000	1.000E-003	1.985E+000

1.122E-003	1.983E+000	1.259E-003	1.980E+000	1.413E-003	1.977E+000
1.585E-003	1.974E+000	1.778E-003	1.971E+000	1.995E-003	1.968E+000
2.239E-003	1.964E+000	2.512E-003	1.959E+000	2.818E-003	1.955E+000
3.162E-003	1.949E+000	3.548E-003	1.944E+000	3.981E-003	1.937E+000
4.467E-003	1.931E+000	5.012E-003	1.923E+000	5.623E-003	1.915E+000
6.310E-003	1.906E+000	7.079E-003	1.896E+000	7.943E-003	1.886E+000
8.913E-003	1.874E+000	1.000E-002	1.861E+000	1.122E-002	1.848E+000
1.259E-002	1.832E+000	1.413E-002	1.816E+000	1.585E-002	1.798E+000
1.778E-002	1.778E+000	1.995E-002	1.757E+000	2.239E-002	1.733E+000
2.512E-002	1.708E+000	2.818E-002	1.681E+000	3.162E-002	1.651E+000
3.548E-002	1.619E+000	3.981E-002	1.584E+000	4.467E-002	1.547E+000
5.012E-002	1.507E+000	5.623E-002	1.464E+000	6.310E-002	1.419E+000
7.079E-002	1.370E+000	7.943E-002	1.319E+000	8.913E-002	1.264E+000
1.000E-001	1.207E+000	1.122E-001	1.147E+000	1.259E-001	1.085E+000
1.413E-001	1.021E+000	1.585E-001	9.547E-001	1.778E-001	8.873E-001
1.995E-001	8.192E-001	2.239E-001	7.508E-001	2.512E-001	6.828E-001
2.818E-001	6.159E-001	3.162E-001	5.508E-001	3.548E-001	4.883E-001
3.981E-001	4.288E-001	4.467E-001	3.732E-001	5.012E-001	3.217E-001
5.623E-001	2.750E-001	6.310E-001	2.330E-001	7.079E-001	1.960E-001
7.943E-001	1.639E-001	8.913E-001	1.364E-001	1.000E+000	1.133E-001
1.122E+000	9.400E-002	1.259E+000	7.811E-002	1.413E+000	6.514E-002
1.585E+000	5.460E-002	1.778E+000	4.604E-002	1.995E+000	3.908E-002
2.239E+000	3.338E-002	2.512E+000	2.868E-002	2.818E+000	2.477E-002
3.162E+000	2.148E-002	3.548E+000	1.869E-002	3.981E+000	1.631E-002
4.467E+000	1.427E-002	5.012E+000	1.251E-002	5.623E+000	1.098E-002
6.310E+000	9.660E-003	7.079E+000	8.509E-003	7.943E+000	7.505E-003
8.913E+000	6.628E-003	1.000E+001	5.860E-003		

TYPE CURVE DATA

T = 6.35501E-002
S = 1.00000E-004

Time	Drawdown	Time	Drawdown	Time	Drawdown
1.000E-004	2.006E+000	1.122E-004	2.006E+000	1.259E-004	2.005E+000
1.413E-004	2.005E+000	1.585E-004	2.004E+000	1.778E-004	2.004E+000
1.995E-004	2.003E+000	2.239E-004	2.002E+000	2.512E-004	2.002E+000
2.818E-004	2.001E+000	3.162E-004	2.000E+000	3.548E-004	1.999E+000
3.981E-004	1.998E+000	4.467E-004	1.997E+000	5.012E-004	1.995E+000
5.623E-004	1.994E+000	6.310E-004	1.993E+000	7.079E-004	1.991E+000
7.943E-004	1.989E+000	8.913E-004	1.987E+000	1.000E-003	1.985E+000
1.122E-003	1.983E+000	1.259E-003	1.980E+000	1.413E-003	1.977E+000
1.585E-003	1.974E+000	1.778E-003	1.971E+000	1.995E-003	1.968E+000
2.239E-003	1.964E+000	2.512E-003	1.959E+000	2.818E-003	1.955E+000
3.162E-003	1.949E+000	3.548E-003	1.944E+000	3.981E-003	1.937E+000
4.467E-003	1.931E+000	5.012E-003	1.923E+000	5.623E-003	1.915E+000
6.310E-003	1.906E+000	7.079E-003	1.896E+000	7.943E-003	1.886E+000
8.913E-003	1.874E+000	1.000E-002	1.861E+000	1.122E-002	1.848E+000
1.259E-002	1.832E+000	1.413E-002	1.816E+000	1.585E-002	1.798E+000
1.778E-002	1.778E+000	1.995E-002	1.757E+000	2.239E-002	1.733E+000
2.512E-002	1.708E+000	2.818E-002	1.681E+000	3.162E-002	1.651E+000
3.548E-002	1.619E+000	3.981E-002	1.584E+000	4.467E-002	1.547E+000

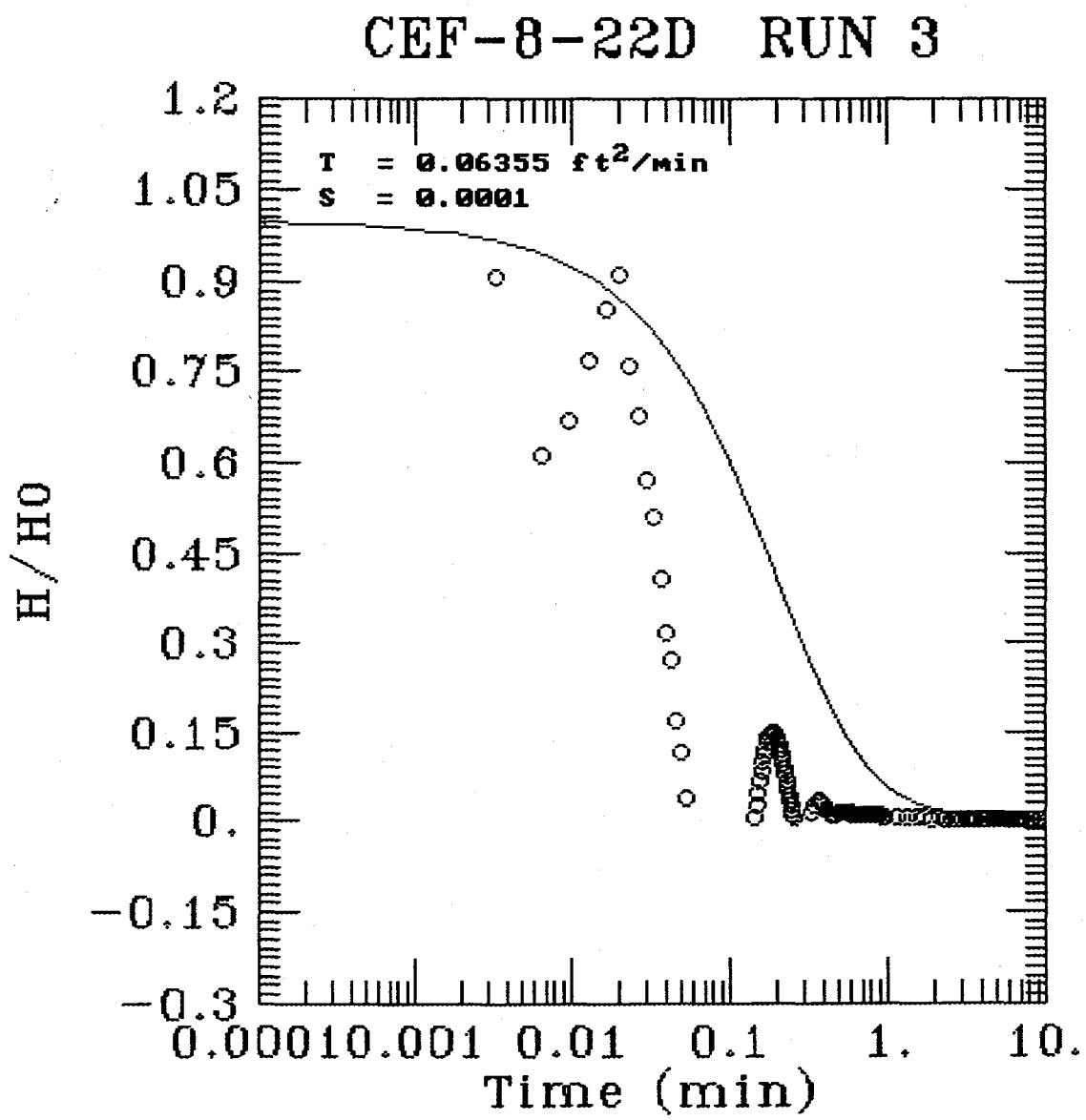
5.012E-002	1.507E+000	5.623E-002	1.464E+000	6.310E-002	1.419E+000
7.079E-002	1.370E+000	7.943E-002	1.319E+000	8.913E-002	1.264E+000
1.000E-001	1.207E+000	1.122E-001	1.147E+000	1.259E-001	1.085E+000
1.413E-001	1.021E+000	1.585E-001	9.547E-001	1.778E-001	8.873E-001
1.995E-001	8.192E-001	2.239E-001	7.508E-001	2.512E-001	6.828E-001
2.818E-001	6.159E-001	3.162E-001	5.508E-001	3.548E-001	4.883E-001
3.981E-001	4.288E-001	4.467E-001	3.732E-001	5.012E-001	3.217E-001
5.623E-001	2.750E-001	6.310E-001	2.330E-001	7.079E-001	1.960E-001
7.943E-001	1.639E-001	8.913E-001	1.364E-001	1.000E+000	1.133E-001
1.122E+000	9.400E-002	1.259E+000	7.811E-002	1.413E+000	6.514E-002
1.585E+000	5.460E-002	1.778E+000	4.604E-002	1.995E+000	3.908E-002
2.239E+000	3.338E-002	2.512E+000	2.868E-002	2.818E+000	2.477E-002
3.162E+000	2.148E-002	3.548E+000	1.869E-002	3.981E+000	1.631E-002
4.467E+000	1.427E-002	5.012E+000	1.251E-002	5.623E+000	1.098E-002
6.310E+000	9.660E-003	7.079E+000	8.509E-003	7.943E+000	7.505E-003
8.913E+000	6.628E-003	1.000E+001	5.860E-003		

TYPE CURVE DATA

T = 6.35501E-002
S = 1.00000E-004

Time	Drawdown	Time	Drawdown	Time	Drawdown
1.000E-004	2.006E+000	1.122E-004	2.006E+000	1.259E-004	2.005E+000
1.413E-004	2.005E+000	1.585E-004	2.004E+000	1.778E-004	2.004E+000
1.995E-004	2.003E+000	2.239E-004	2.002E+000	2.512E-004	2.002E+000
2.818E-004	2.001E+000	3.162E-004	2.000E+000	3.548E-004	1.999E+000
3.981E-004	1.998E+000	4.467E-004	1.997E+000	5.012E-004	1.995E+000
5.623E-004	1.994E+000	6.310E-004	1.993E+000	7.079E-004	1.991E+000
7.943E-004	1.989E+000	8.913E-004	1.987E+000	1.000E-003	1.985E+000
1.122E-003	1.983E+000	1.259E-003	1.980E+000	1.413E-003	1.977E+000
1.585E-003	1.974E+000	1.778E-003	1.971E+000	1.995E-003	1.968E+000
2.239E-003	1.964E+000	2.512E-003	1.959E+000	2.818E-003	1.955E+000
3.162E-003	1.949E+000	3.548E-003	1.944E+000	3.981E-003	1.937E+000
4.467E-003	1.931E+000	5.012E-003	1.923E+000	5.623E-003	1.915E+000
6.310E-003	1.906E+000	7.079E-003	1.896E+000	7.943E-003	1.886E+000
8.913E-003	1.874E+000	1.000E-002	1.861E+000	1.122E-002	1.848E+000
1.259E-002	1.832E+000	1.413E-002	1.816E+000	1.585E-002	1.798E+000
1.778E-002	1.778E+000	1.995E-002	1.757E+000	2.239E-002	1.733E+000
2.512E-002	1.708E+000	2.818E-002	1.681E+000	3.162E-002	1.651E+000
3.548E-002	1.619E+000	3.981E-002	1.584E+000	4.467E-002	1.547E+000
5.012E-002	1.507E+000	5.623E-002	1.464E+000	6.310E-002	1.419E+000
7.079E-002	1.370E+000	7.943E-002	1.319E+000	8.913E-002	1.264E+000
1.000E-001	1.207E+000	1.122E-001	1.147E+000	1.259E-001	1.085E+000
1.413E-001	1.021E+000	1.585E-001	9.547E-001	1.778E-001	8.873E-001
1.995E-001	8.192E-001	2.239E-001	7.508E-001	2.512E-001	6.828E-001
2.818E-001	6.159E-001	3.162E-001	5.508E-001	3.548E-001	4.883E-001
3.981E-001	4.288E-001	4.467E-001	3.732E-001	5.012E-001	3.217E-001
5.623E-001	2.750E-001	6.310E-001	2.330E-001	7.079E-001	1.960E-001
7.943E-001	1.639E-001	8.913E-001	1.364E-001	1.000E+000	1.133E-001
1.122E+000	9.400E-002	1.259E+000	7.811E-002	1.413E+000	6.514E-002
1.585E+000	5.460E-002	1.778E+000	4.604E-002	1.995E+000	3.908E-002

2.239E+000	3.338E-002	2.512E+000	2.868E-002	2.818E+000	2.477E-002
3.162E+000	2.148E-002	3.548E+000	1.869E-002	3.981E+000	1.631E-002
4.467E+000	1.427E-002	5.012E+000	1.251E-002	5.623E+000	1.098E-002
6.310E+000	9.660E-003	7.079E+000	8.509E-003	7.943E+000	7.505E-003
8.913E+000	6.628E-003	1.000E+001	5.860E-003		


CEF-8-22D RUN 3
T = 0.06355 ft²/min
S = 0.0001
H/H0
1.2
1.05
0.9
0.75
0.6
0.45
0.3
0.15
0.
-0.15
-0.3
0.0001
0.001
0.01
0.1
1.
10.
Time (min)

SE1000C
Environmental Logger
06/06 12:11

Unit# 00008 Test 0

Setups: INPUT 1

Type	Level (F)
Mode	TOC
I.D.	15868
Reference	0.000
Linearity	0.050
Scale factor	9.990
Offset	0.020
Delay mSEC	50.000

CEF-8-22D RUN 3

Step 2 06/06 08:54:55

Elapsed Time	INPUT 1
0.0000	0.000
0.0033	0.000
0.0066	1.192
0.0100	2.864
0.0133	2.810
0.0166	0.975
0.0200	1.880
0.0233	1.830
0.0266	1.849
0.0300	0.767
0.0333	2.012
0.0366	1.824
0.0400	1.229
0.0433	1.352
0.0466	1.550
0.0500	1.717
0.0533	1.836
0.0566	1.531
0.0600	1.368
0.0633	1.154
0.0666	1.025
0.0700	0.817
0.0733	0.641
0.0766	0.547
0.0800	0.339
0.0833	0.236
0.0866	0.078
0.0900	-0.025
0.0933	-0.141
0.0966	-0.239
0.1000	-0.453
0.1033	-0.361
0.1066	-0.490
0.1100	-0.494
0.1133	-0.525
0.1166	-0.600
0.1200	-0.594
0.1233	-0.619
0.1266	-0.613
0.1300	-0.600
0.1333	-0.594
0.1366	-0.566
0.1400	-0.538
0.1433	-0.503
0.1466	-0.465

CEF-8-22D RUN 3

Step 2 06/06 08:54:55

Elapsed Time	INPUT 1
0.1500	-0.421
0.1533	-0.374
0.1566	-0.327
0.1600	-0.276
0.1633	-0.226
0.1666	-0.176
0.1700	-0.125
0.1733	-0.078
0.1766	-0.031
0.1800	0.015
0.1833	0.056
0.1866	0.097
0.1900	0.135
0.1933	0.169
0.1966	0.198
0.2000	0.223
0.2033	0.245
0.2066	0.264
0.2100	0.280
0.2133	0.289
0.2166	0.295
0.2200	0.298
0.2233	0.298
0.2266	0.298
0.2300	0.292
0.2333	0.283
0.2366	0.273
0.2400	0.261
0.2433	0.245
0.2466	0.229
0.2500	0.213
0.2533	0.195
0.2566	0.176
0.2600	0.157
0.2633	0.138
0.2666	0.119
0.2700	0.100
0.2733	0.084
0.2766	0.069
0.2800	0.050
0.2833	0.037
0.2866	0.022
0.2900	0.009
0.2933	0.000
0.2966	-0.009
0.3000	-0.018
0.3033	-0.025
0.3066	-0.031
0.3100	-0.037
0.3133	-0.040
0.3166	-0.040
0.3200	-0.040
0.3233	-0.040
0.3266	-0.040
0.3300	-0.037
0.3333	-0.034
0.3500	-0.006
0.3666	0.028
0.3833	0.053
0.4000	0.066
0.4166	0.062
0.4333	0.053
0.4500	0.037

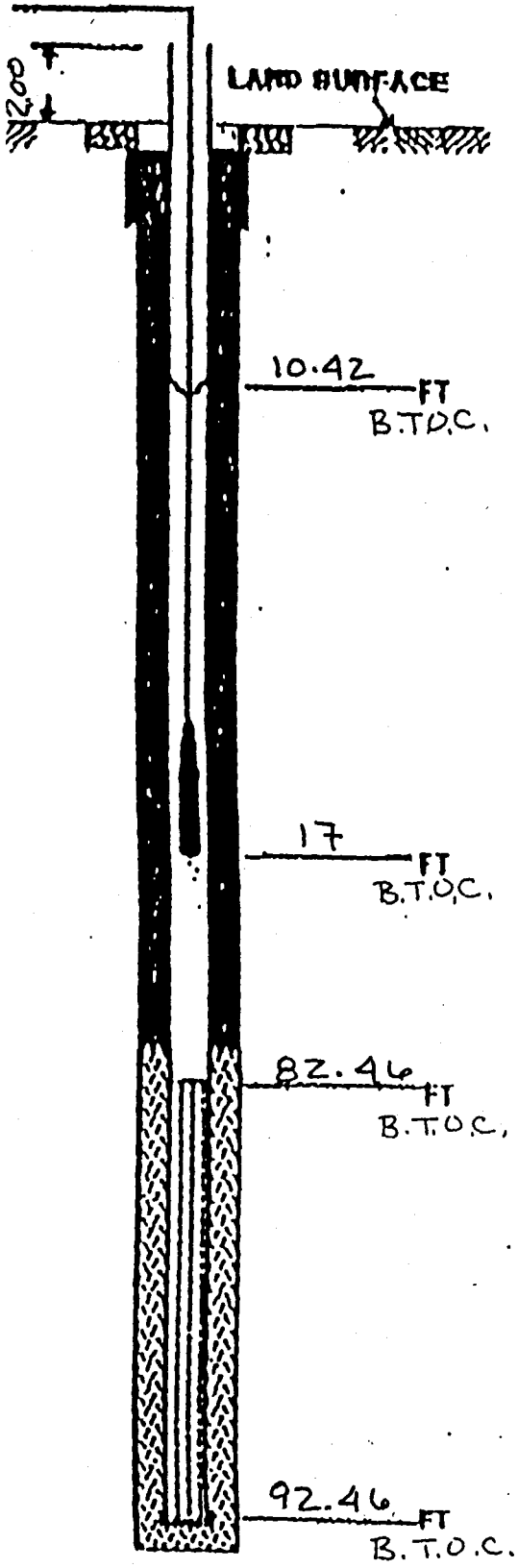
CEF-8-22D RUN 3
(CON'T) PAGE 2
Step 2 06/06 08:54:55

Elapsed Time	INPUT 1
0.4666	0.025
0.4833	0.018
0.5000	0.018
0.5166	0.022
0.5333	0.025
0.5500	0.028
0.5666	0.028
0.5833	0.028
0.6000	0.025
0.6166	0.025
0.6333	0.022
0.6500	0.022
0.6666	0.022
0.6833	0.022
0.7000	0.022
0.7166	0.022
0.7333	0.022
0.7500	0.018
0.7666	0.018
0.7833	0.018
0.8000	0.018
0.8166	0.018
0.8333	0.018
0.8500	0.018
0.8666	0.018
0.8833	0.018
0.9000	0.018
0.9166	0.018
0.9333	0.018
0.9500	0.018
0.9666	0.015
0.9833	0.015
1.0000	0.015
1.2000	0.012
1.4000	0.012
1.6000	0.009
1.8000	0.009
2.0000	0.006
2.2000	0.009
2.4000	0.006
2.6000	0.003
2.8000	0.006
3.0000	0.006
3.2000	0.003
3.4000	0.006
3.6000	0.006
3.8000	0.006
4.0000	0.003
4.2000	0.003
4.4000	0.003
4.6000	0.003
4.8000	0.003
5.0000	0.003
5.2000	0.003
5.4000	0.003
5.6000	0.006
5.8000	0.003
6.0000	0.003
6.2000	0.003
6.4000	0.000
6.6000	0.003
6.8000	0.003
7.0000	0.003

CEF-8-22D RUN 3
(CON'T) PAGE 2
Step 2 06/06 08:54:55

Elapsed Time	INPUT 1
7.2000	0.003
7.4000	0.003
7.6000	0.000
7.8000	0.000
8.0000	0.000
8.2000	0.003
8.4000	0.003
8.6000	0.000
8.8000	0.000
9.0000	0.000
9.2000	0.003
9.4000	0.003
9.6000	0.000
9.8000	0.000
10.0000	0.000

AQUIFER PERFORMANCE TEST
TRANSDUCER CALIBRATION LOG



PROJECT R1/FS OUs 3 4 5 6

PROJECT NUMBER 8520.22

WELL NO. CEF-8-22D PUMPING WELL ____

DATE 6-6-95 TIME 17:01

DATA LOGGER SERIAL NO. 1KC01828

TRANSDUCER SERIAL NO. 203736

TRANSDUCER RANGE 10 PSI

CHANNEL NO. Input #1 ~~R4 R7 R6 R8 R5~~

TEST DURATION 10 (SEL 1) 10 (Step 1)

TIME OF INSTALLATION 17:01

STATIC DEPTH TO WATER 10.42 FT. ____ PSI

DEPTH OF TRANSDUCER 17' B.T.O.C.

CALIBRATION
- DEPTH 13 FT 2.71 PSI
- DEPTH 14 FT 3.70 PSI
- DEPTH 15 FT 4.64 PSI

CLOCKS SYNCHRONIZED? ____

STATIC DEPTH TO WATER 10.42' B.T.O.C.

TIME PUMPING STARTS ____

____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)
____ VERIFICATION OF DATA ACQUISITION (Y/N)

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

CHAPTER 7.0

FATE AND TRANSPORT CALCULATIONS

PROJECT	COMP. BY	JOB NO.
NASCF OU3 SITE 7 RI REPORT APPENDIX K CALCULATIONS	MK	8500.13
	CHK. BY	DATE 6/96

1.0 SUMMERS MODEL CALCULATIONS - SITE 7 SOILS

1.1 Leaching of contaminants in vadose zone soils by infiltrating precipitation - estimation of concentration using the Summers Model (EPA/540/2-89/057)

$$C_s = C_l \times K_{oc} \times f_{oc}$$

Where: C_s = Soil concentration ($\mu g/g$)

C_l = Leachate concentration ($\mu g/ml$)

K_{oc} = Organic carbon partitioning coefficent (cm^3/g)

f_{oc} = Representative foc Value for SITE 7 soils

For benzo(a)pyrene:

$K_{oc} = 5.5 \times 10^6\ cm^3/g$ (EPA/540/2-89/057)

$f_{oc} = 0.004$

$c_s = 0.487\ \mu g/g$ (average concentration in vadose zone soil)

$$C_l = \frac{C_s}{K_{oc} \times f_{oc}} = \frac{0.487\ \mu g/g}{(5.5 \times 10^6\ \frac{cm^3}{g})(0.004)} = 2.214 \times 10^{-5}\ \mu g/ml$$

$= 2.214 \times 10^{-2}\ \mu g/L$

Benzo(a)pyrene MCL = $0.2\ \mu g/L$

For maximum concentration benzo(a)pyrene in soil:

$$C_l = \frac{6.2\ \mu g/g}{(5.5 \times 10^6\ cm^3/g)(0.004)} = 2.818 \times 10^{-1}\ \mu g/L$$

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1.2 Estimation of dilution factor for leachate generated by precipitation infiltrating through remaining benzo(a)pyrene contaminated vadose zone soil upon entering and mixing with the top 10 feet of surficial aquifer

$$\text{Dilution Ratio (DR)} = \frac{Q_{GW} + Q_R}{Q_R}$$

Where: Q_{GW} = Volumetric groundwater flowrate (ft^3/day)
Q_R = Volumetric leachate flowrate (ft^3/day)

$Q_{GW} = q_h \times$ area of mixing zone

$q_h = ki$

Where: k = horizontal hydraulic conductivity (ft/day)
i = horizontal hydraulic gradient (ft/ft)
q_h = horizontal groundwater flowrate (ft/day)

k = 3 ft/day (from USGS aquifer test results, [USGS, 1995])

i = 0.0036 ft/ft (average gradient parrallel to groundwater flow using water level data from 12/94, 1/95, 4/95, 9/95 - calculations presented in this appendix)

Area of mixing zone = 9000 ft^2 (Based upon estimated 900' length of affected vadose zone soil and assumes 10 ft mixing zone in surficial aquifer)

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1.2 Estimation of Dilution Factor (con't.)

$q_h = Ki = 3\ ft/day \times 0.0036\ ft/ft = 0.0108\ ft/day$

$Q_{GW} = q_h \times$ AREA OF MIXING ZONE $= 0.0108\ ft/day \times 9000\ ft^2$

$= 97.2\ ft^3/day$

$Q_R = I \times$ Area of affected vadose zone soils

Where: I = Average recharge from precipitation (ft/day)

= 7 in/yr (USGS, 1995)

$\frac{7\ in/yr}{12\ in/ft} = 0.58\ ft/yr \div 365\ days/yr = 0.0016\ ft/day$

Area of Affected Vadose Soil = (900' length)(400' width)

= 360,000 ft^2 (Based upon confirmatory soil sampling analytical results)

360,000 ft^2 − AREA COVERED BY RUNWAY = ACTUAL AREA OF AFFECTED VADOSE ZONE SOIL

360,000 ft^2 − (850' length)(200' WIDTH) = 190,000 ft^2

$Q_R = I \times$ Area of AFFECTED VADOSE ZONE SOIL $= 0.0016\ \frac{ft}{day} \times 190{,}000\ ft^2$

$= 304\ \frac{ft^3}{day}$

$$D_R = \frac{Q_{GW} + Q_R}{Q_R} = \frac{97.2\ \frac{ft^3}{day} + 304\ \frac{ft^3}{day}}{304\ \frac{ft^3}{day}} = 1.32$$

1.3 Estimation of benzo(a)pyrene concentration in vadose zone soil which would generate leachate with a concentration of 0.2 µg/L.

$$C_s = C_\ell \times K_{oc} \times F_{oc}$$

$$C_s = 0.0002\ \mu g/ml \times 5.5\times10^6\ cm^3/g \times 0.004 = 4.4\ \mu g/g$$
$$= 4400\ \mu g/kg$$

1.4 Estimation of benzo(a)pyrene concentration in vadose zone soil which would generate leachate with concentrations of 0.2 µg/L after mixing with 10 feet of surficial aquifer

$$0.0002\ \mu g/ml \times DR\ (1.32) = 0.000264\ \mu g/ml$$
$$C_s = 0.000264\ \mu g/ml \times 5.5\times10^6\ cm^3/g \times 0.002$$
$$= 0.2904\ \mu g/g = 290.4\ \mu g/kg$$

1.5 Estimation of time required for precipitation infiltration to reduce benzo(a)pyrene concentration in vadose zone soil so that resultant leachate is 0.2 mg/L using the EPA Batch Flush model (EPA/540/G-88/003)

$$N = \ln\left(\frac{C_{SO}}{C_{SN}}\right) \Big/ \ln\left(1 + \frac{n}{P_b K_d}\right)$$

Where: N = number of pore volume flushes
C_{SO} = initial soil concentration = 6.2 µg/g*
C_{SN} = target soil concentration = 0.0002 µg/g
n = porosity = 0.2 (USGS, 1995)
P_b = bulk density $\left(78.9\ \frac{lbs}{ft^3}\right)(0.0160) = 1.26\ g/cm^3$
(Ave. of 2 samples collected from SITE 7)

* Maximum vadose zone concentration of benzo(a)pyrene

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1.5 Estimation of time required for precipitation infiltration to reduce vadose zone soil conc (con't.)

$$K_d = F_{oc} \times K_{oc} = 0.004 \times 5.5 \times 10^6 \ cm^3/g$$

$$= 22{,}000 \ cm^3/g$$

$$N = \ln\left(\frac{6.2 \mu g/g}{0.0002 \mu g/g}\right) \Big/ \ln\left(1 + \frac{0.20}{1.26 g/cm^3 (22{,}000 \ cm^3/g)}\right)$$

$$= \ln 31{,}000 \Big/ \ln(1 + 7.215 \times 10^{-6})$$

= 1,083,333 pore volumes
(Based upon ave. benzo(a) pyrene conc. of 0.481 µg/g)

= 1,436,111 pore volumes
(Based upon max. benzo(a) pyrene conc. of 6.2 µg/g)

The affected zone is assumed to be from 0-1 ft, bls
Infiltration precipitation is 0.58 ft/yr

$$\frac{0.58 \ ft/yr}{0.20} = 2.9 \ ft/yr$$

$$\frac{1 \ ft}{2.9 \ ft} = 0.3448 \text{ yrs to remove 1 pore volume}$$

1,083,333 pore volumes (AVE CONC.) × 0.3448 yrs/vol

= 373,533 yrs.

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1.6 Estimation of time required for precipitation infiltration to reduce benzo(a) pyrene concentration in vadose zone soil after entering and mixing with the top 10 ft of the surficial aquifer using the USEPA Batch Flush Model.

$C_{S0} = 6.2\ \mu g/L$ (max. conc.)

$C_{SN} = 0.2904\ \mu g/g$

$$N = \ln\left(\frac{6.2\ \mu g/L}{0.2904\ \mu g/g}\right) \Big/ \ln\left(1 + \frac{0.20}{(1.26\ g/cm^3)(22{,}000\ cm^3/g)}\right)$$

$$= \ln 2.14 \Big/ \ln(1 + 7.215 \times 10^{-6})$$

$$= 71{,}806 \text{ pore volumes (AVE CONC.)} \times 384{,}979\ \mu s/vol$$

$$= 2.76 \times 10^{10}\ \mu s \text{ (AVE CONC.)}$$

or

$$= 425{,}146 \text{ pore volumes (MAX CONC.)} \times 384{,}979\ \mu s/vol$$

$$= 1.64 \times 10^{11}\ \mu s \text{ (MAX CONC.)}$$

END SITE 7 LEACHING CALCULATIONS

PROJECT	COMP. BY	JOB NO.
NASCF OU3 SITE 8 RI REPORT APPENDIX L CALCULATIONS	CHK. BY	DATE

Horizontal Gradient & Seepage Velocity Calculations SITE 8

Across fire-fighter training area – Shallow Wells

CEF-8-21S ⟶ CEF-8-13S (375 ft)

4/95 68.08' – 67.23' = 0.85 ft

9/95 68.35' – 67.48' = 0.87 ft

0.86 ft AVE.

Gradient = 0.86 ft / 375 ft = 0.0023 ft/ft

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0023\,\frac{ft}{ft}\right)}{0.20} = 0.035\,\frac{ft}{day}$$

$$0.035\,\frac{ft}{day} = 12.8\,\frac{ft}{yr}$$

Across fire-fighter training area – Intermediate Wells

CEF-8-19I ⟶ CEF-8-14I (150 ft)

4/95 67.19' – 66.71' = 0.48 ft

9/95 67.50' – 67.00' = 0.50 ft

0.49 ft AVE.

Gradient = 0.49 ft / 150 ft = 0.0033 ft/ft

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0033\,\frac{ft}{ft}\right)}{0.20} = 0.050\,\frac{ft}{day}$$

$$0.050\,\frac{ft}{day} = 18.3\,\frac{ft}{yr}$$

Across fire-fighter training area – Deep Wells

CEF-8-22D ⟶ CEF-8-15D (375 ft)

4/95 63.33' – 62.37' = 0.96 ft

1/95 63.80' – 62.70' = 1.10 ft

1.03 ft AVE

Gradient = 1.03 ft / 375 ft = 0.0027 ft/ft

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Horizontal Gradient & Seepage Velocity Calculations (con't.)

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0027\,\frac{ft}{ft}\right)}{0.20} = 0.041\,\frac{ft}{day}$$

$$0.041\,ft/day = 15.0\,\frac{ft}{yr}$$

Across fire fighter training area to unnamed tributary CEF-8-21S ⟶ CEF-8-4S (950 ft)
Shallow Wells

4/95 68.08' − 60.12' = 7.96 ft
9/95 68.35 − 60.11' = 8.24 ft
8.10 ft AVE

Gradient = 8.10 ft / 950 ft = 0.0085 ft/ft

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0085\,\frac{ft}{ft}\right)}{0.20} = 0.128\,\frac{ft}{day}$$

$$0.128\,\frac{ft}{day} = 46.7\,\frac{ft}{yr}$$

CEF-8-21S ⟶ CEF-8-1S (1000 ft)

4/95 68.08' − 57.17' = 10.91 ft
9/95 68.35' − 56.97' = 11.38 ft
11.15 ft AVE.

Gradient = 11.15 ft / 1000 ft = 0.0112 ft/ft

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0112\,\frac{ft}{ft}\right)}{0.20} = 0.168\,\frac{ft}{day}$$

$$0.168\,\frac{ft}{day} = 61.32\,\frac{ft}{yr}$$

CEF-8-21S ⟶ CEF-8-9S (1000 ft)

68.08' − 56.29' = 11.79 ft
68.35' − 56.01' = 12.34 ft
12.07 ft AVE.

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Horizontal Gradient & Seepage Velocity Calculations (CONT.)

Gradient = 12.07 ft / 1000 ft = 0.0121 ft/ft

Seepage Velocity = $\frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0121\,\frac{ft}{ft}\right)}{0.20} = 0.182\,\frac{ft}{day}$

$0.182\,\frac{ft}{day} = 66.4\,\frac{ft}{yr}$

CEF-8-10S → CEF-8-9S (575 ft)

4/95 66.05' − 56.29' = 9.76 ft

9/95 66.28' − 56.01' = 10.27 ft

10.02 ft

Gradient = 10.02 ft / 575 ft = 0.0174 ft/ft

Seepage Velocity = $\frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0174\,\frac{ft}{ft}\right)}{0.20} = 0.261\,\frac{ft}{day}$

$0.261\,\frac{ft}{day} = 95.3\,\frac{ft}{yr}$

Representative Seepage velocity along centerline of plume AVE. of CEF-8-21S → CEF-8-9S (0.182 ft/day) and CEF-8-10S → CEF-8-9S (0.261 ft/day)

Seepage Velocity (Transport Equation)

= 0.22 ft/day

Across fire-fighter training area to unnamed tributary CEF-8-19I → CEF-8-2I (825 ft)

Intermediate Wells

4/95 67.19' − 61.59' = 5.60 ft

9/96 67.50' − 61.56'* (artesian) *Flowing above casing

Gradient 5.60 ft / 825 ft = 0.0068 ft/ft

Seepage Velocity = $\frac{Ki}{n} = \frac{3\,\frac{ft}{day}\left(0.0068\,\frac{ft}{ft}\right)}{0.20} = 0.102\,\frac{ft}{day}$

(or) $37.2\,\frac{ft}{yr}$

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Horizontal Gradient & Seepage Velocity Calculations (cont.)
Across fire-fighter training area to unnamed tributary CEF-8-22D → CEF-8-3D (1025 ft)

Deep Wells

4/95 63.33' - 61.32' = 2.01 ft

9/95 63.80' - 61.64* (artesian) *flowing above casing

Gradient = 2.01 ft / 1025 ft = 0.002 ft/ft

$$\text{Seepage Velocity} = \frac{Ki}{n} = \frac{3\ \frac{ft}{day}\left(0.002\ \frac{ft}{ft}\right)}{0.20} = 0.030\ \frac{ft}{day}$$

$$0.030\ \frac{ft}{day} = 10.95\ \frac{ft}{yr}$$

Estimation/Verification of Vertical Hydraulic Gradient

DATE	MONITORING WELL PAIR WATER LEVEL ELEV. (ft, NGVD)	WATER LEVEL Δ ELEV. (ft)	Gradient (∧ UP, V DOWN)
	CEF-8-21S		
	CEF-8-22D		
4/95	68.08' - 63.33'	4.75 ft	V DOWN
9/95	68.35' - 63.80	4.55 ft	V DOWN
	CEF-8-18S		
	CEF-8-20D		
4/95	67.94' - 62.78'	5.16 ft	V DOWN
9/95	68.22' - 63.13'	5.09 ft	V DOWN
	CEF-8-13S		
	CEF-8-15D		
4/95	67.23' - 62.37'	4.86 ft	V DOWN
9/95	67.48' - 62.70	4.78 ft	V DOWN

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Estimation/Verification of Vertical Hydraulic Gradient (cont)

DATE	MONITORING WELL PAIR WATER LEVEL ELEV. (ft, NGVD)	WATER LEVEL Δ ELEV. (ft)	GRADIENT (∧ UP, ∨ DOWN)
	CEF-8-10S		
	CEF-8-11D		
4/95	66.05' - 62.24'	3.81	∨ DOWN
9/95	66.28' - 62.53'	3.75	∨ DOWN
	CEF-8-1S		
	CEF-8-3D		
4/95	57.17' - 61.32'	-4.15	∧ UP
9/95	56.97' - 61.64'	-4.67	∧ UP

END SITE 8 GRADIENT EVALUATION

NATURAL FLUSHING OF CONTAMINANTS

2.1 Determine the time required for the natural groundwater flow at OU3 Site 8 to flush the contaminant plume to the unnamed tributary such that remaining concentrations of 1,1-DCE are less than 7 µg/L.

Using the analytical solution for the transport of dissolved constituents in groundwater (including dispersion), due to an instantaneous slug (mass of contaminant) injected at a point source, find the location of a fictitious origin and initial time such that a reasonable fit to the existing plume distribution is obtained. Then use the solution to calculate the time required for all contaminant levels to fall below 7 µg/L for 1,1-DCE.

NATURAL FLUSHING OF CONTAMINANTS (CON'T.)

The transport equation is (2-dimensional):

$$c(x,y,t) = \frac{M}{4b\pi n t\sqrt{D_x D_y}} \exp\left\{-\frac{(x-v_s t)^2}{4D_x t} - \frac{y^2}{4D_y t}\right\}$$

Where: M = mass of contaminant introduced (kg)
b = aquifer thickness (ft)
n = porosity
D_x = longitudinal dispersion coefficient
$= \alpha_x v_s$ (ft²/day)
D_y = transverse dispersion coefficient
$= \alpha_y v_s$ (ft²/day)
α_x = longitudinal dispersivity (ft/day)
α_y = transverse dispersivity (ft/day)
v_s = seepage velocity (ft/day)
x = horizontal longitudinal direction (ft)
y = horizontal transverse direction (ft)
t = time (days)
c = concentration (µg/L)

The mass M, is determined by estimating the mass of 1-1, DCE in the existing mapped plume. For this determination the plume is approximated to be a constant width with concentrations constant across the width and longitudinal concentrations given by 4 points along the 800 ft length of the plume. The thickness of the plume is taken to be 50 ft, a depth below which 1,1-DCE was not detected.

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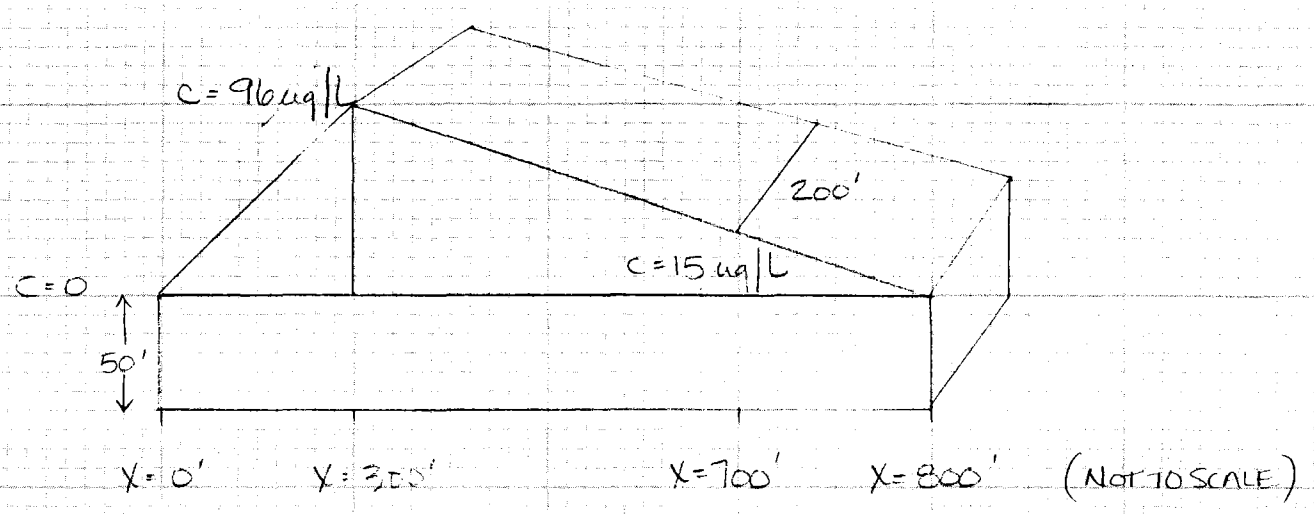
NATURAL FLUSHING OF CONTAMINANTS (CON'T.)



So the aquifer segment containing the plume is 800' long, 200' wide and 50' thick with contaminant concentrations as shown, varying from 96 µg/L in CEF-8-10S at x = 300', to 15 µg/L in CEF-8-4S at x = 700', to 2 µg/L in CEF-8-9S at approximately x = 800'.

The total mass of contaminant dissolved in the groundwater plume is calculated by:

$$M = c \cdot V \cdot n$$

Where c = concentration (µg/L)
V = aquifer volume (ft^3)
n = porosity

Using the three zones x = 0 to x = 300', x = 300' to x = 700', and x = 700 to x = 800' yields

ZONE	AVE. CONC. (µg/L)	Volume (ft^3)	n	M (g)
1	48	3×10^6	.2	816
2	56	4×10^6	.2	1269
3	9	1×10^6	.2	51

NATURAL FLUSHING OF CONTAMINANTS (CON'T.)

Thus, the total dissolved contaminant mass in the aquifer is 2136 grams or 2.14 kg.

Dispersivity: it is assumed that the longitudinal dispersivity, α_x, is 10 ft and that the transverse dispersivity, α_y, is 1 ft.

Filling the analytical equation to the existing data, using the transport equation with the following:

$M = 2.14$ kg $\quad b = 50$ ft

$n = 0.20 \quad v_s = 0.22$ ft/day

$\alpha_x = 10$ ft $\quad \alpha_y = 1$ ft

$D_x = 2.6$ ft²/day $\quad D_y = 0.26$ ft²/day

Then, for a time, t, of 20 years the distribution of contamination from the equation is shown in the following table; these concentrations are representative of the predicted concentrations along the centerline of the plume.

$$c(x,y,t) = \frac{2.14\ \text{Kg}}{4(50')\pi(.2)(7300d)\sqrt{(2.6f^2)(0.26\frac{f^2}{d})}}\, e^{\left\{ -\frac{[(1600'-(.22\frac{ft^2}{d})(7300d))]^2}{4(2.6\frac{ft^2}{d})(7300d)} - \frac{0\ ft^2}{4(.26\frac{ft^2}{d})(7300d)} \right\}}$$

= 100 µg/L @ 1600 ft on centerline of plume according to 2-dimensional model. Corresponds to maximum concentration at SITE 8 in CEF-8-105 of 96 µg/L

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NATURAL FLUSHING OF CONTAMINANTS (CON'T.)

x - ft	Equation Concent. (ug/L)	Measured 1,1-DCE Concentration (ug/L)
1100	3	
1200	11	
1300	28	
1400	55	
1500	84	
1600	100	CEF-8-10S 96 ug/L
1700	92	
1800	65	
1900	36	
2000	15	CEF-8-4S 15 ug/L
2100	5	CEF-8-9S 2 ug/L

Flushing time for various stages in the plume advancement are depicted on the attached 2-dimensional model runs. Concentrations were calculated for 5, 10, 15, 20 and 25 years hence. The rate of movement of the trailing edge of the plume (at a concentration of approximately 3.2 ug/L 1,1-DCE) moves at an average rate of 78.7 ft/yr as estimated from the 2-dimensional model runs (estimated from groundwater gradients at the site, seepage velocity is 80.6 ft/yr). Thus, the time required to flush 1,1-DCE to the unnamed tributary to levels at or below regulatory surface water guidance is approximately 20 years. This model assumes a non-sorptive contaminant.

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m ^2/day
Dy =	transverse dispersion	=	0.024 m ^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 7300 days THIS TIME CORRESPONDS TO EXISTING PLUME, OR 1996

X; Y =	0	10	20	30	40	50	75	100
335	0.003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.011	0.01	0.01	0.00	0.00	0.00	0.00	0.00
395	0.028	0.02	0.02	0.01	0.00	0.00	0.00	0.00
425	0.055	0.05	0.03	0.02	0.01	0.00	0.00	0.00
455	0.084	0.07	0.05	0.02	0.01	0.00	0.00	0.00
485	0.100	0.09	0.06	0.03	0.01	0.00	0.00	0.00
515	0.092	0.08	0.05	0.03	0.01	0.00	0.00	0.00
545	0.065	0.06	0.04	0.02	0.01	0.00	0.00	0.00
575	0.036	0.03	0.02	0.01	0.00	0.00	0.00	0.00
605	0.015	0.01	0.01	0.00	0.00	0.00	0.00	0.00
635	0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
725	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
755	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

X = 485 METERS CORRESPONDS TO THE LOCATION OF THE PEAK CONCENTRATION
X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m^2/day
Dy =	transverse dispersion	=	0.024 m^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 9125 days THIS TIME CORRESPONDS TO PLUME CONFIGURATION 2001

X; Y =	0	10	20	30	40	50	75	100
335	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	0.013	0.01	0.01	0.00	0.00	0.00	0.00	0.00
515	0.027	0.02	0.02	0.01	0.00	0.00	0.00	0.00
545	0.048	0.04	0.03	0.02	0.01	0.00	0.00	0.00
575	0.068	0.06	0.04	0.02	0.01	0.00	0.00	0.00
605	0.080	0.07	0.05	0.03	0.01	0.00	0.00	0.00
635	0.076	0.07	0.05	0.03	0.01	0.00	0.00	0.00
665	0.058	0.05	0.04	0.02	0.01	0.00	0.00	0.00
695	0.037	0.03	0.02	0.01	0.01	0.00	0.00	0.00
725	0.019	0.02	0.01	0.01	0.00	0.00	0.00	0.00
755	0.008	0.01	0.01	0.00	0.00	0.00	0.00	0.00

X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m ^2/day
Dy =	transverse dispersion	=	0.024 m ^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 10950 days THIS TIME CORRESPONDS TO PLUME CONFIGURATION 2006

X; Y =	0	10	20	30	40	50	75	100
335	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	0.006	0.01	0.00	0.00	0.00	0.00	0.00	0.00
605	0.014	0.01	0.01	0.01	0.00	0.00	0.00	0.00
635	0.026	0.02	0.02	0.01	0.01	0.00	0.00	0.00
665	0.042	0.04	0.03	0.02	0.01	0.00	0.00	0.00
695	0.058	0.05	0.04	0.02	0.01	0.01	0.00	0.00
725	0.066	0.06	0.05	0.03	0.01	0.01	0.00	0.00
755	0.064	0.06	0.04	0.03	0.01	0.01	0.00	0.00

X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m ^2/day
Dy =	transverse dispersion	=	0.024 m ^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 12775 days THIS TIME CORRESPONDS TO PLUME CONFIGURATION 2011

X; Y =	0	10	20	30	40	50	75	100
335	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	0.003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	0.007	0.01	0.00	0.00	0.00	0.00	0.00	0.00
725	0.014	0.01	0.01	0.01	0.00	0.00	0.00	0.00
755	0.025	0.02	0.02	0.01	0.01	0.00	0.00	0.00

X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m ^2/day
Dy =	transverse dispersion	=	0.024 m ^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 14600 days THIS TIME CORRESPONDS TO PLUME CONFIGURATION 2016

X; Y =	0	10	20	30	40	50	75	100
335	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
725	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
755	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00

X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

MODELING RESIDUAL PLUME MIGRATION

M =	initial mass	=	0.14 kg/m thick
n =	porosity	=	0.2
Dx =	longitundinal dispersion	=	0.242 m ^2/day
Dy =	transverse dispersion	=	0.024 m ^2/day
u =	pore velocity	=	0.0671 m/day

PLUME DISTRIBUTION, USING:

C(x',y',t') = (M/n)/(4*PI*(Dx*Dy)^0.5*t')*exp−(((x−ut)^2/(4*Dx*t))+(y^2/(4*Dy*t')))

time = 16425 days THIS TIME CORRESPONDS TO PLUME CONFIGURATION 2021

X; Y =	0	10	20	30	40	50	75	100
335	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
395	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
425	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
455	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
485	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
515	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
575	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
635	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
665	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
695	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
725	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
755	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

X = 635 METERS CORRESPONDS TO THE LOCATION OF THE UNNAMED TRIBUTARY

PROJECT	COMP. BY	JOB NO.
NASCF OU3 SITE 8 RI REPORT APPENDIX K CALCULATIONS	NG	8500.15
	CHK. BY	DATE 6/96

NATURAL FLUSHING OF CONTAMINANTS (CON'T.)

The retardation coefficient for 1,1-DCE has been calculated using the following equation:

$$R = 1 + \frac{\rho}{n} K_{od}$$

where: R = Retardation factor
ρ = Bulk density (g/cm^3)
K_{od} = $(K_{oc})(f_{oc})$
K_{oc} = Soil-water partitioning coefficient
f_{oc} = average foc value for SITE 8 in sediment at representative discharge locations

Log K_{oc} 1,1-DCE = 1.81 (Montgomery, 1991) = 64.56

AVE foc VALUE = 6,600 mg/kg

AVE BULK DENSITY SITE 8 SOILS = 1.35 g/cm^3

$$= 1 + \frac{1.35\ g/cm^3}{0.20}(0.4261)$$

$$= 3.88$$

Using a retardation factor of 3.88 for 1,1-DCE in SITE 8 soils, the trailing edge of the plume would reach the unnamed tributary at ≈77.6 yrs.

PROJECT	COMP. BY	JOB NO.
NASCF OU 3 SITE 5 RI REPORT APPENDIX K CALCULATIONS	MP	3500.13
	CHK. BY	DATE 6/96

Plume Dilution in Surface Water

Estimation of Dilution factor for the 1,1-DCE plume upon discharging to and mixing with the water in the unnamed tributary.

$$\text{Dilution Ratio (DR)} = \frac{Q_{SW} + Q_{GW}}{Q_{GW}}$$

Where: Q_{SW} = Volumetric Surface Water flow $\left(\frac{ft^3}{day}\right)$
Q_{GW} = Volumetric Groundwater Flow $\left(\frac{ft^3}{day}\right)$

Q_{SW} = Average flow in drainage ditch based upon visual observation = 0.5 gpm

$0.50 \text{ gpm} \times 0.002228 = 1.14 \times 10^{-3} \frac{ft^3}{sec} \times 86{,}400 = 96.2 \frac{ft^3}{day}$

Q_{GW} = q_h × crosssectional area of plume entering drainage ditch

$q_h = Ki = 3 \text{ FT/DAY} \times 0.0174 \text{ ft/ft} = 0.0522 \frac{ft}{day}$

Cross sectional discharge area of 1,1-DCE plume is estimated at 260' wide (based upon results of 2-dimensional transport model) and 3' deep (based upon exposure of unnamed tributary bottom and banks).

$Q_{GW} = 0.0522 \frac{ft}{day} \times 780 \text{ ft}^2 = 40.72 \frac{ft^3}{day}$

$$D_R = \frac{98.80 \frac{ft^3}{day} + 40.72 \frac{ft^3}{day}}{40.72 \frac{ft^3}{day}} = 3.4$$

Plume Dilution in Surface Water (con't.)

Estimation of Dilution Factor for the 1,1-DCE plume upon discharging to and mixing with water in Sal Taylor Creek.

Q_{sw} = Volumetric flow in Sal Taylor Creek based upon lowest value recorded by USGS at station 02245913 during period July 1992 through June 1994 = $3 \frac{ft^3}{sec}$ (May 1994)

$$3 \frac{ft^3}{sec} \times 86{,}400 = 259{,}200 \frac{ft^3}{day}$$

$$T_R = \frac{259{,}200 \frac{ft^3}{day} + 40.72 \frac{ft^3}{day}}{40.72 \frac{ft^3}{day}} = 6{,}366.4$$

END CALCULATIONS FOR OU3 SITE 5

CHAPTER 8.0

HUMAN HEALTH RISK ASSESSMENT SUPPLEMENTAL DATA

Section 8.1

Human Health Toxicity Profiles

HUMAN HEALTH TOXICITY PROFILES

1,1-Dichloroethane. 1,1-Dichloroethane is a man-made chlorinated volatile organic chemical that is used as an industrial solvent. Humans may be exposed to 1,1-dichloroethane in water and soil that contains 1,1-dichloroethane that has been precipitated out of the atmosphere, and in paints and solvents that contain limited amounts of 1,1-dichloroethane.

Although little data are available for 1,1-dichloroethane, based in its chemical and physical properties, it is assumed to be extensively absorbed from the gastrointestinal tract and the lungs, and to a lesser extent, through the skin. Acute inhalation and oral exposures to 1,1-dichloroethane produce central nervous system depression which, if severe enough, can result in respiratory and circulatory system failure. There is no data concerning reproductive or developmental effects resulting from exposure to 1,1-dichloroethane. No epidemiological data have been conducted which investigate the potential carcinogenicity of 1,1-dichloroethane in humans. Carcinogenicity data for 1,1-dichloroethane obtained from animal studies, and mutagenicity data collected from bacterial and human cell mutation studies, are equivocal. The USEPA has, therefore, classified 1,1-dichloroethane as a group C, possible human carcinogen.

References:
Massachusetts Department of Environmental Protection (MADEP), 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

1,1-Dichloroethene. 1,1-Dichloroethene is a man-made chlorinated solvent that is used to make polyvinylidene chloride copolymers, which are used as flexible films for packaging all types of materials, including food.

Data of 1,1-dichloroethene exposure in humans is limited. However, available evidence suggest that 1,1-dichloroethene causes central nervous system depression and liver toxicity in humans. Toxicity data on laboratory animals confirm this evidence, and also indicate that 1,1-dichloroethene may produce adverse effects on the kidney, heart, and lung. Pharmacokinetic data from laboratory animals suggest that 1,1-dichloroethene is metabolized to toxic metabolites, and that these metabolites are responsible for the adverse effects. Therefore, organs with high biotransformation enzyme activity, such as the liver, kidney, and lungs, are likely to be adversely impacted. Limited evidence in animals suggests that 1,1-dichloroethene may be carcinogenic. Therefore, the USEPA has place 1,1-dichloroethene in weight-of-evidence group C, possible human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Agency for Toxic Substances and Disease Registry (ATSDR), 1992. "Toxicological Profile for 1,1-Dichloroethene"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, October 1992.

Aluminum. Aluminum occurs naturally in the soil and makes up approximately 8 percent of the earths crust. Higher soil concentrations are associated with industries which burn coal and aluminum mining and smelting. Human exposures to aluminum may occur through ingestion of foods grown in soil that contains aluminum and use of antacids, antiperspirants, and other drug store items. Aluminum in antiperspirants can cause skin rashes in some people. Factory workers who inhale large amounts of aluminum dust may develop lung problems. Aluminum has caused lower birth weights in some animals. Studies have shown that aluminum accumulates in the brains of people with Alzheimer's disease. However, any causal link between aluminum exposure and this disease is yet to be demonstrated. Both human epidemiological studies and animal experiments strongly suggests that aluminum is not a carcinogen.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1989. "Toxicological Profile for Aluminum"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, October 1989.

Antimony. Antimony enters the environment during the mining and processing of its ores and other related compounds. Small amounts of antimony are also released into the environment by incinerators and coal burning power plants. Antimony will strongly adhere to soil which contains iron, manganese, or aluminum. Antimony was used for medicinal purposes to treat people infected with parasites. However, chronic exposure can cause eye, skin, and lung irritation, as well as heart problems, vomiting and diarrhea. The oral RfD, based on an oral drinking water study in rats, showed changes in glucose and cholesterol metabolism. Antimony has not been evaluated by the USEPA for evidence of human carcinogenic potential.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1991. "Toxicological Profile for Antimony"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, February 1991.

Integrated Risk Information System (IRIS), 1993. United States Environmental Protection Agency.

Arsenic. Arsenic has been used in pesticide formulations and has industrial uses in tanneries, as well as the glass and wine making industries. Toxicity depends on its chemical form. Arsenic is an irritant of the skin, mucous membranes, and gastrointestinal tract. Symptoms of acute toxicity include vomiting, diarrhea, convulsions, and a severe drop in blood pressure. Subchronic effects include hyperpigmentation, sensory-motor polyneuropathy, persistent headache, and lethargy. Chronic oral exposure has caused skin lesions, peripheral vascular disease, and peripheral neuropathy. The USEPA has classified arsenic in Group A, human carcinogen, based on increased incidence of lung cancer in occupational studies.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1992. "Toxicological Profile for Arsenic"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, February 1992.

Benzene. Benzene is an organic solvent that is both naturally occurring and produced from petroleum. Benzene is used in the synthesis of many industrial chemicals and pharmaceuticals, for the extraction of fats and oils, in the manufacture of explosives, in is a major component of petroleum based fuels such as gasoline.

Benzene is readily absorbed orally, moderately absorbed by inhalation, and poorly absorbed dermally. Its toxic actions are primarily a result of its metabolites, which are largely produced in the liver, and to some extent, in the bone marrow. Acute exposure to benzene has produced central nervous system depression in humans and animals. Chronic exposures have produced adverse liver effects and hematological toxicity, including aplastic anemia and leukemia. Available evidence does not suggest that benzene is teratogenic in humans or animals. There is sufficient evidence of benzene-induced carcinogenicity in humans via inhalation exposure, placing it in USEPA weight-of-evidence group A, human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Benzo(a)anthracene. Benzo(a)anthracene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds which contain two or more aromatic rings. PAHs are ubiquitous in nature and are also manmade. Benzo(a)anthracene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material. It is also product of pyrolysis in tobacco smoke.

Benzo(a)anthracene has produced skin tumors in laboratory animals after dermal application. Benzo(a)anthracene produced mutations in bacteria and in mammalian cells, and transformed mammalian cells in culture. Although there are no human data that specifically link exposure to benzo(a)anthracene to human cancers, benzo(a)anthracene is a component of mixtures that have been associated with human cancer. As such, benzo(a)anthracene has been classified by USEPA as a B2, probable human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Benzo(a)pyrene. Benzo(a)pyrene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds which contain two or more aromatic rings. They are ubiquitous in nature and are also man made. Benzo(a)pyrene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material. Human data demonstrating a causal relationship linking

benzo(a)pyrene to carcinogenicity are lacking. However, multiple animal studies in many species demonstrate benzo(a)pyrene to be carcinogenic following administration by a variety of routes. The mechanism through which benzo(a)pyrene elicits its carcinogenic potential is well understood. Benzo(a)pyrene has produced positive results in numerous genotoxicity assays. Benzo(a)pyrene has been classified by the EPA as a B2, probable human carcinogen.

References:

ATSDR, 1989. Toxicological Profile for Polycyclic Aromatic Hydrocarbons. Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, October, 1989.

Clayton, George D. and Florence E. Clayton, editors, 1981. Patty's Industrial Hygiene and Toxicology, 3rd Revised Edition; John Wiley & Sons; New York.

Integrated Risk Information System (IRIS), 1993. United States Environmental Protection Agency.

Benzo(b)fluoranthene. Benzo(b)fluoranthene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds which contain two or more aromatic rings. PAHs are ubiquitous in nature and are also manmade. Benzo(b)fluoranthene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material.

Although there are no human data that specifically link exposure to benzo(b)fluoranthene to human cancers, benzo(b)fluoranthene is a component of mixtures that have been associated with human cancer. These include coal tar, soots, coke oven emissions and cigarette smoke. Benzo(b)fluoranthene produced tumors in mice after lung implantation, intraperitoneal, or subcutaneous injection, and skin painting. Benzo(b)fluoranthene has produced positive results in several genotoxicity assays. It has been classified as a B2, probable human carcinogen, by the USEPA.

References:

MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Benzo(k)fluoranthene. Benzo(k)fluoranthene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds which contain two or more aromatic rings. PAHs are ubiquitous in nature and are also manmade. Benzo(k)fluoranthene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material.

Although there are no human data that specifically link exposure to benzo(k)fluoranthene to human cancers, benzo(k)fluoranthene is a component of mixtures that have been associated with human cancer. These include coal tar, soots, coke oven emissions and cigarette smoke. Benzo(k)fluoranthene produced tumors after lung implantation in mice and when administered with a promoting agent in skin-painting studies. Benzo(k)fluoranthene is mutagenic in

bacteria. Benzo(k)fluoranthene has been classified by USEPA as a B2, probable human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Beryllium. Beryllium is a trace element that is obtained by extraction from mineral ores. Most beryllium is contributed to the environment by the burning of fossil fuels which contain beryllium ore. Beryllium is generally incorporated into alloy metals that are used in jet engine parts and electrical components. Pure beryllium metal is used in parts for aircraft brakes, nuclear weapons, nuclear reactors, and precision instruments.

Available data on beryllium suggest that it is most toxic to the lung. Acute inhalation exposures to high concentrations of beryllium in the air can cause chemical pneumonitis, the symptoms of which include cough, shortness of breath, and fatigue. These symptoms can persist and even worsen after exposure to beryllium has been discontinued. Chronic inhalation exposures to low concentrations of beryllium can produce chronic beryllium disease, which results in inhibited breathing efficiency. Inhalation of beryllium has been shown to produce lung cancer in animals, and an increased incidence of lung cancer has been demonstrated in workers who are exposed to beryllium in the air. Therefore beryllium has been classified by the USEPA as a B2, probable human carcinogen.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1991. "Toxicological Profile for Beryllium"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, February 1991.

Bis(2-ethylhexyl)phthalate (DEHP). DEHP is used industrially as a plasticizer for resins and is found in many plastic materials as it makes them more flexible. It is also used in manufacturing organic pump fluids in electrical capacitors. Acute exposure to DEHP has produced eye and mucous membrane irritation, nausea, and diarrhea. Chronic exposure of laboratory animals to DEHP indicate that the target organs are the liver, causing morphological and biochemical changes, as well as the testes, producing damage to the seminiferous tubules. DEHP has produced developmental and reproductive effects in laboratory animals including spina bifida and reduced fertility. DEHP has been shown to cause a dose-related increase in liver tumors in mice and rats. Thus, the USEPA has designated DEHP as a B2, probable human carcinogen.

References:
ATSDR, 1991. Toxicological Profile for Di(2-ethylhexyl)phthalate. Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, October, 1991.

Cadmium. Cadmium is commonly used in electroplating and galvanizing due to its non-corrosive properties. It is a local respiratory tract irritant following exposure to cadmium dust or fumes. Acute exposure to cadmium dust/fumes may produce an acute chemical pneumonitis. Acute, oral exposure to cadmium results in

nausea, vomiting, salivation, abdominal pain, cramps, and diarrhea. Chronic exposure to cadmium results in osteomalacia and osteoporosis (Itai-Itai disease) secondary to renal damage. The USEPA has classified cadmium as a B1 carcinogen via inhalation based on epidemiological data from Japan and China.

References:
Amdur, Mary O., John Doull, Curtis D. Klaassen, 1991. Toxicology: The Basic Science of Poisons, 4th edition; Pergamon Press, Inc. New York.

Integrated Risk Information System (IRIS), 1993. United States Environmental Protection Agency.

Chromium. Chromium has been used in plating for corrosion resistance and decorative purposes, in the manufacture of alloys, and in printing, dying, and photography. The toxicity of chromium depends upon its valence state. Hexavalent chromium is more toxic via inhalation than trivalent chromium. The effects of inhalation exposure to hexavalent chromium include ulcers of the upper respiratory tract, nasal inflammation, perforation of the nasal septa and lung cancer. Most trivalent chromium compounds are inactive in short-term genotoxicity assays. Trivalent chromium compounds have not been found to be carcinogenic by any route of exposure. There is epidemiological evidence of an association between chromium and lung cancer. The USEPA has classified hexavalent chromium as an Class A, human carcinogen, by the inhalation route.

References:
Amdur, Mary O., John Doull, Curtis D. Klaassen, 1991. Toxicology: The Basic Science of Poisons, 4th edition; Pergamon Press, Inc. New York.

Integrated Risk Information System (IRIS), 1993. United States Environmental Protection Agency.

Chrysene. Chrysene is one of the polycyclic aromatic hydrocarbons (PAH) compounds which are formed during the combustion of organic material. Although there are no human data that specifically link exposure to chrysene to human cancers, chrysene is a component of mixtures that have been associated with human cancer. These include coal tar, soot, coke oven emissions and cigarette smoke. Chrysene produced chromosomal abnormalities in hamsters and mouse germ cells after gavage exposure, positive responses in bacterial gene mutation assays, and transformed mammalian cells exposed in culture. Due to its similarities with benzo(a)pyrene and other carcinogenic PAHs, chrysene has been classified as a B2, probable human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Cyanide. Cyanide is commonly found in pesticides, fumigants, and photographic solutions. Symptoms of exposure include palpitations,

shortness of breath, pain over the heart, vertigo, involuntary eye movements, cyanosis, and left-sided blindness. Longer term exposures has resulted in CNS, thyroid gland, and cardiovascular effects. Epidemiological studies have also found thyroid abnormalities in exposed workers. Animal studies have demonstrated that CNS and cardiac symptoms result from cyanide exposure. There is no available data indicating that cyanide has any carcinogenic effects.

References:
Amdur, Mary O., John Doull, Curtis D. Klaassen, 1991. Toxicology: The Basic Science of Poisons, 4th edition; Pergamon Press, Inc. New York.

Dibenz(a,h)anthracene. Dibenz(a,h)anthracene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds, which contain two or more aromatic rings. PAHs are ubiquitous in nature and are also manmade. Dibenz(a,h)anthracene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material. It is also product of pyrolysis in tobacco smoke.

Dibenz(a,h)anthracene is metabolized similarly to benzo(a)pyrene, and produces a similar mutagenic metabolite that is thought to be responsible for the mutagenic effects. Dibenz(a,h)anthracene has produced skin tumors in laboratory animals after dermal application. Dibenz(a,h)anthracene produced mutations in human cell cultures and in bacteria cells. Although there are no human data that specifically link exposure to dibenz(a,h)anthracene to human cancers, dibenz(a,h)anthracene is a component of mixtures that have been associated with human cancer. As such, dibenz(a,h)anthracene has been classified by USEPA as a B2, probable human carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Agency for Toxic Substances and Disease Registry (ATSDR), 1993. "Toxicological Profile for Selected PCBs"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, February 1991.

Indeno(1,2,3-cd)pyrene. Indeno(1,2,3-c,d)pyrene is one of the polycyclic aromatic hydrocarbons (PAH) compounds which are formed during the combustion of organic material and is a component of cigarette smoke and smoke stack emissions. No carcinogenicity data specifically for indeno(1,2,3-c,d)pyrene are available in humans, however, toxic effects are attributable to mixtures of PAHs. Animal studies indicate that indeno(1,2,3-c,d)pyrene can induce skin tumors in mice, and may have some immunosuppressive effects. In mammalian cell cultures, indeno(1,2,3-c,d)pyrene was found to be genotoxic. It has been classified by the USEPA as a B2 carcinogen.

References:
MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Iron. Iron is a metal which is required for a variety of physiological functions such as heme biosynthesis, oxidative phosphorylation and mixed-function oxidase-mediated metabolic reactions. Only divalent forms of iron are absorbed. As absorption occurs, divalent iron is biochemically converted to trivalent iron, the biologically active form. Under normal conditions, absorbed dietary iron is complexed to hemoglobin and transported to the liver for storage until needed for physiological reactions. The balance of iron is regulated only by the amount of dietary intake and the degree of intestinal absorption. Intestinal absorption tends to be low (2 - 15%) except during periods of increased iron need when absorption efficiency increases dramatically.

Acute iron toxicity has been well characterized following the accidental ingestion of iron-containing preparations by children. Shortly after ingestion, the corrosive effects of iron cause vomiting and diarrhea, often bloody. Later signs include shock, metabolic acidosis, seizures, liver and/or kidney failure, coma, and death. Chronic iron overload manifests as disturbances in liver function, diabetes mellitus, and endocrine and cardiovascular effects. Inhalation of iron containing dust or fumes in occupational settings may result in deposition of iron particles in the lungs leading to interstitial fibrosis. Autopsies of hematite miners noted an increase in lung cancer. However, the etiology of the lung cancer may be related to factors other than iron exposure such as cigarette, silica or PAH exposures.

References:
Aisen, P., Cohen, G. and Kang, J.O., 1990. Iron Toxicosis. Int. Rev. Exp. Pathol. 31:1-46.

Goyer, R.A., 1991. Toxic Effects of Metals. In: Casarett and Doull's Toxicology: The Basic Science of Poisons, 3rd edition. Eds. C.D. Klaassen, M.O. Amdur and J. Doull. Macmillan Publishing Co. N.Y.

Lead. Lead is used as a component in storage batteries and was widely used in gasoline and paints. It is the most ubiquitous toxic metal in the environment. The most serious effects of chronic exposure are encephalopathy, renal damage, and changes in the hematopoietic system, which is the most sensitive indicator of lead exposure. Peripheral nerve dysfunction is observed in adults at blood lead levels of 30 to 50 μg/dL-blood. The nervous systems of children are reported to be affected at levels of 15 μg/dL-blood (Benignus and others, 1981). Chronic lead exposure by workers through inhalation has resulted in statistically significant increases in tumors. Oral exposures of lead salts in animals has been shown to increase tumor formation.

References:

Amdur, Mary O., John Doull, Curtis D. Klaassen, 1991. Toxicology: The Basic Science of Poisons, 4th edition; Pergamon Press, Inc. New York.

Benignus, V.A., Otto, D.A., Muller, K.E., Seiple, K.J., 1981. "Effects of Age and Body Lead Burden on CNS Function in Young Children. II:EEG Spectra." Electroencephalograph. Clin. Neurophysiol. 52:240-248.

Manganese. Manganese is a naturally-occurring substance found in many types of rock. It does not generally occur in the environment as the pure metal, rather, it is found combined with other chemicals such as sulfur, oxygen, and chlorine. Manganese is mixed with iron to make various types of steel. Manganese is a component of some ceramics, pesticides, fertilizers, and in nutritional supplements. In small doses manganese is beneficial to human health. Manganese miners and steel workers exposed to elevated concentrations of manganese have evidenced mental and emotional disturbances, and slow and clumsy body movements. Target organs of manganese are the lung and CNS. When inhaled, manganese dust can also cause lung irritation. EPA has classified manganese as a Class D, not classifiable as to human carcinogenicity.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1991. "Toxicological Profile for Manganese"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, February 1991.

Naphthalene. Naphthalene is a member of the polycyclic aromatic hydrocarbons (PAH) class of compounds which contain two or more aromatic rings. PAHs are ubiquitous in nature and are also manmade. Naphthalene occurs naturally in coal tar, crude oil, and is formed from incomplete combustion of organic material. It is also product of pyrolysis in tobacco smoke. Naphthalene is used for the production of phthalic anhydride, which is used for the production of plasticizers. Naphthalene is also used in moth balls, for the production of the insecticide carbaryl, and in numerous resins, dyes, pharmaceuticals, and other organic materials.

Naphthalene is absorbed through the inhalation, oral, and dermal routes, and appears to be more toxic to humans than laboratory animals. The principal toxic effect of naphthalene in humans and animals is hemolysis of red blood cells, which can lead to anemia, decreased oxygen carrying capacity, and jaundice. Humans predisposed to anemia, such as those with G6DP enzyme deficiency, may be particularly sensitive to naphthalene toxicity. Exposure to naphthalene has also been correlated with increased risk of cataract formation. Animal studies were negative for naphthalene reproductive toxicity. Although no human epidemiological data are available for assessing naphthalene carcinogenicity, animal data investigating naphthalene toxicity are equivocal. The USEPA has placed naphthalene in weight-of-evidence Group D, not classifiable as to human carcinogenicity.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1990. "Toxicological Profile for Naphthalene"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service.

October, 1990.

Petroleum hydrocarbons. Petroleum hydrocarbons constitute a broad range of hydrocarbon compounds, including alkanes, cycloalkanes, alkenes, and aromatics. Petroleum hydrocarbons result from oil waste products, which are composed of hundreds of chemicals. The term Total Petroleum Hydrocarbons (TPH) applies to all hydrocarbon compounds detected in petroleum products. TPH, therefore, is not specific to a particular chemical or subclass of hydrocarbons. Extractable petroleum hydrocarbons (EPH) and Volatile Petroleum Hydrocarbons (VPH) refer to specific classes of hydrocarbon compounds, including compounds in carbon chains C5 through C8, C9 through C18, and C19 through C32. Because unique hydrocarbon compounds within each of these carbon chains tend to exhibit similar toxicities, the total toxicity of TPH can be characterized through evaluation of each carbon chain subclass.

Aliphatic hydrocarbons in the C5 through C8 subclass exhibit toxicities characteristic of n-hexane. N-hexane has been associated with neurological effects in people, including sensorimotor polyneuropathy, blurred vision, and abnormal color vision. Aliphatic hydrocarbons in the C9 through C18 subclass exhibit toxicities similar to n-nonane. N-nonane is also associated with neurological effects in people. Aliphatic hydrocarbons in the C19 through C32 subclass are associated with little neurotoxicity; potential toxicities may include skin irritation and adverse effects on the liver. Aromatic and alkene hydrocarbons in the C9 through C32 subclass are considered to exhibit toxicities similar to pyrene. Pyrene is reported to be a skin irritant to humans, and rats administered pyrene exhibited blood chemistry changes, as well as liver and kidney damage. Hydrocarbon compounds evaluated as Petroleum Hydrocarbons are not considered to be carcinogenic; any potentially carcinogenic chemicals included in petroleum hydrocarbon evaluations are evaluated as separate compounds.

Reference:
MADEP, 1994. "Interim Final Petroleum Report: Development of Health-Based Alternative to the Total Petroleum Hydrocarbon (TPH) Parameter". Bureau of Waste Site Cleanup. August, 1994.

Thallium. Thallium is a naturally-occurring soft metal that is a minor constituent in a variety of ores and is obtained as a by-product of the refining of iron, cadmium, and zinc. It is used as a catalyst, in certain alloys, jewelry, thermometers, semiconductors, dyes and pigments, and optical lenses. It has been used medically as a depilatory agent. Additionally, it is used as a rodenticide and insecticide. Thallium is efficiently absorbed from the gastrointestinal tract. Excretion occurs primarily through urine and feces. Following absorption, distribution occurs to kidney tissue to a large extent, with lesser distribution to thyroid, intestines, testes, pancreas, skin, bone, and spleen.

Thallium is one of the more toxic metals. Acute toxicity results in gastrointestinal irritation, shock, ascending paralysis, seizures, and psychic disturbances. Signs of subacute or chronic thallium poisoning include hair loss, nail dystrophy, cataracts, peripheral muscular weakness and atrophy, chorea, peripheral neuropathy, and kidney damage. Loss of vision have been related to

industrial thallium exposures. No information is available which addresses the carcinogenic potential of thallium.

References:
Goyer, R.A., 1991. Toxic Effects of Metals. In: Casarett and Doull's Toxicology: The Basic Science of Poisons, 3rd edition. Eds. C.D. Klaassen, M.O. Amdur and J. Doull. Macmillan Publishing Co. N.Y.

Tweig, M., 1990. Thallium. In: Poisoning and Drug Overdose. Ed. K.R. Olson. Appleton & Lange, CT. pps. 276-7.

Toluene. Toluene is a component of gasoline, paint, lacquers, adhesives, rubber, and printing ink. It is also used as a solvent and industrial degreaser. Acute and chronic exposures to humans of toluene vapor cause eye irritation, headache, nausea, and CNS effects in humans. Acute exposures to very high concentrations can cause narcosis. Similar toxic effects have been observed in both humans and animals. The major target organ in animals is the CNS, with effects produced including impaired motor abilities, narcosis, tremors, changes in levels of brain neurotransmitters, and morphological changes. Evidence from animal studies indicate that toluene is a developmental toxin. Toluene is not thought to be a human carcinogen and has been classified in group D.

References:
Agency for Toxic Substances and Disease Registry (ATSDR), 1989. "Toxicological Profile for Toluene"; Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, 1989.

Vanadium. Vanadium is widely, but sparsely, distributed in the earth's crust and in the environment. It is invaluable as an alloying agent with steel; ferrovanadium alloys are used in high-stress applications such as bearings, jet engines, and cutting tools. Human and animal studies indicate that vanadium is readily absorbed from the lungs and poorly absorbed from the gastrointestinal tract. It distributes primarily to the bone and kidney. Vanadium is a respiratory irritant. Inhalation of vanadium dusts in both animals and occupationally-exposed workers induces mild to moderate respiratory irritation. The effects are reversible and subside when exposure is discontinued. No studies were located regarding cancer in humans or animals following inhalation, oral, or dermal exposures. However, vanadium has been found to induce DNA damage in human cell cultures, suggesting that vanadium may have the potential to be genotoxic to humans.

References:
ATSDR, 1990. Toxicological Profile for Vanadium. Agency for Toxic Substances and Disease Registry, U.S. Public Health Service, October, 1990.

Xylenes. Xylene is a volatile organic compound that is generally composed of a mixture of the meta, ortho, and para isomers. Xylenes are used as solvents, in paints, thinners, cleaners, degreasers, and as a component in gasoline.

Xylenes are absorbed by oral, inhalation, and dermal exposures, and

distribute to all tissues, particularly those with high fat contents. All three isomers produce similar effects, although the potency with which various effects are produced may vary from effect to effect with each isomer. In both humans and animals, xylene exposure has been associated with central nervous system depression, impaired learning and memory, and tremors. In humans, inhalation of xylene may produce prolonged respiratory tract inflammation and edema. In laboratory animals, exposures to xylenes have produced adverse reproductive effects, including increased fetal death rate and retarded development. There is no evidence of carcinogenicity in humans or animals.

References:

MADEP, 1992. "Risk Assessment Shortform Residential Exposure Scenario, Version 1.6"; Policy #WSC/ORS-142-92; Office of Research and Standards and the Bureau of Waste Site Cleanup, Boston, MA; September 1992.

Section 8.2

Human Health Dose-Response Data

Table 9-1
Oral Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence	Oral Slope Factor (mg/kg/day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
VOLATILES							
1,1-Dichloroethane	C	NE					
1,1-Dichloroethylene	C	6.0e-01	IRIS	Rat	Oral-drinking water	Adrenal	IRIS
Benzene	A	2.9e-02	IRIS	Human	Inhalation	Leukemia	IRIS
Toluene	D	NE					
Xylenes (total)	D	NE					
SEMIVOLATILES							
Benzo(a)Anthracene	B2	7.3e-01	(1)				
Benzo(a)Pyrene	B2	7.3e+00	IRIS	Mouse	Oral-diet	Forestomach	IRIS
Benzo(b)Fluoranthene	B2	7.3e-01	(1)				
Benzo(k)Fluoranthene	B2	7.3e-02	(1)				
bis(2-Ethylhexyl)phthalate	B2	1.4e-02	IRIS	Rat	Oral-diet	Liver	IRIS
Chrysene	B2	7.3e-03	(1)				
Dibenz(a,h)Anthracene	B2	7.3e+00	(1)				

Table 9-1
Oral Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence	Oral Slope Factor (mg/kg/day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Indeno(1,2,3-cd)Pyrene	B2	7.3e-01	(1)				
Naphthalene	D	NE					
INORGANICS							
Aluminum	D	NE					
Antimony	D	NE					
Arsenic	A	1.5e+00	IRIS	Human	Oral-drinking water	Skin	IRIS
Beryllium	B2	4.3e+00	IRIS	Rat	Oral-drinking water	Total	IRIS
Cadmium	D	NE					
Chromium	D	NE					
Cyanide	D	NE					
Iron	D	NE					
Lead	B2	NE					
Manganese	D	NE					
Thallium	D	NE					

Table 9-1
Oral Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence[1]	Oral Slope Factor (mg/kg/day)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Vanadium	D	NE					

Notes:

(1) Relative potency factors (USEPA, 1993) have been applied to the ingestion slope factor for benzo(a)pyrene for all PAHs classified as A or B carcinogens.

[1] Weight of Evidence (route-specific):
- A = Human carcinogen
- B = Probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence)
- C = Possible human carcinogen
- D = Not classifiable as to human carcinogenicity

IRIS = Integrated Risk Information System on-line database search, current as of March 1996.
HEAST = Health Effects Assessment Summary Tables, current as of November 1995.
mg = milligram
kg = kilogram
NE = Not Evaluated

Table 9-2
Inhalation Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence	Inhalation Slope Factor (mg/kg/day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
VOLATILES									
1,1-Dichloroethane	C	NE		NE					
1,1-Dichloroethylene	C	1.2e+00	HEAST	5.0e-05	IRIS	Mouse	Inhalation	Kidney	IRIS
Benzene	A	2.9e-02	HEAST	8.3e-06	IRIS	Human	Inhalation	Leukemia	IRIS
Toluene	D	NE		NE					
Xylenes (total)	D	NE		NE					
SEMIVOLATILES									
Benzo(a)Anthracene	B2	NE		NE					
Benzo(a)Pyrene	B2	NE		NE					
Benzo(b)Fluoranthene	B2	NE		NE					
Benzo(k)Fluoranthene	B2	NE		NE					
bis(2-Ethylhexyl)phthalate	D	NE		NE					
Chrysene	B2	NE		NE					
Dibenz(a,h)Anthracene	B2	NE		NE					

Table 9-2
Inhalation Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence	Inhalation Slope Factor (mg/kg/day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Indeno(1,2,3-cd)Pyrene	B2	NE		NE					
Naphthalene	D	NE		NE					
INORGANICS									
Aluminum	D	NE		NE					
Antimony	D	NE		NE					
Arsenic	A	5.0e+01	HEAST	4.3e-03	IRIS	Human	Inhalation	Lung	IRIS
Beryllium	B2	8.4e+00	HEAST	2.4e-03	IRIS	Human	Inhalation	Lung	IRIS
Cadmium	B1	NE		1.8e-03	IRIS	Human	Inhalation	Lung	IRIS
Chromium	A	4.1e+01	HEAST (1)	1.2e-02	IRIS (1)	Human	Inhalation	Lung	IRIS
Cyanide	D	NE		NE					
Iron	D	NE		NE					
Lead	D	NE		NE					
Manganese	D	NE		NE					
Thallium	D	NE		NE					

Table 9-2
Inhalation Dose-Response Data
for Carcinogenic Effects

Navy CLEAN Program

Chemical	Weight of Evidence[1]	Inhalation Slope Factor (mg/kg/day)(-1)	Source	Inhalation Unit Risk ($\mu g/m^3$)(-1)	Source	Test Species	Exposure Route	Tumor Type	Study Source
Vanadium	D	NE		NE					

Notes:

(1) The toxicity values for chromium are based on chromium VI.

[1] Weight of Evidence (route-specific):
- A = Human carcinogen
- B = Probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence)
- C = Possible human carcinogen
- D = Not classifiable as to human carcinogenicity

IRIS = integrated Risk Information System on-line database search, current as of March 1996.
HEAST = Health Effects Assessment Summary Tables, current as of November 1995.
mg = milligram
kg = kilogram
μg = microgram
m^3 = cubic meter
NE = Not Evaluated

Table 9-3
Oral Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
VOLATILES										
1,1-Dichloroethane	1.0e-01	HEAST	1.0e+00	HEAST	Inhalation	Low	No effects observed	Rat	1000 H,A,S	HEAST
1,1-Dichloroethylene	9.0e-03	IRIS	9.0e-03	HEAST	Oral-drinking water	Medium	Hepatic lesions	Rat	1000 H,A,L	IRIS
Benzene	3.0e-04	(1)	ND							
Toluene	2.0e-01	IRIS	2.0e+00	HEAST	Oral-gavage	Medium	Changes in liver, kidney weight	Rat	1000 H,A,S	IRIS
Xylenes (total)	2.0e+00	IRIS	ND		Oral-gavage	Medium	Hyperactivity, decreased weight	Rat	100 H,A	IRIS
SEMIVOLATILES										
Benzo(a)Anthracene	ND		ND							
Benzo(a)Pyrene	ND		ND							
Benzo(b)Fluoranthene	ND		ND							
Benzo(g,h,i)perylene	ND		ND							

Table 9-3
Oral Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Benzo(k)Fluoranthene	ND		ND							
bis(2-Ethylhexyl)phthalate	2.0e-02	IRIS	ND		Oral-diet	Medium	Increased liver weight	Guinea pig	1000 H,A,S,L	IRIS
Chrysene	ND		ND							
Dibenz(a,h)Anthracene	ND		ND							
Indeno(1,2,3-cd)Pyrene	ND		ND							
Naphthalene	4.0e-02	(1)	ND							
INORGANICS										
Aluminum	1.0e+00	(1)	ND							
Antimony	4.0e-04	IRIS	4.0e-04	HEAST	Oral-drinking water	Low	Reduced lifespan	Rat	1000 H,A,L	IRIS
Arsenic	3.0e-04	IRIS	3.0e-04	HEAST	Oral-drinking water	Medium	Hyperpigmentation, keratosis	Human	3 D	IRIS
Beryllium	5.0e-03	IRIS	5.0e-03	HEAST	Oral-drinking water	Low	No effects observed	Rat	100 H,A	IRIS

Table 9-3
Oral Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical		Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
		Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						
Cadmium	Food	1.0e-03	IRIS	ND		Oral-diet	High	Proteinuria	Human	10 H	IRIS
	Drinking Water	5.0e-04	IRIS	ND		Oral-drinking water	High	Proteinuria	Human	10 H	IRIS
Chromium		5.0e-03	IRIS (2)	2.0e-02	HEAST (2)	Oral-drinking water	Low	No effects observed	Rat	500 H,A,S	IRIS
Cyanide		2.0e-02	IRIS	2.0e-02	HEAST	Oral-diet	Medium	No effects observed	Rat	100 H,A	IRIS
Iron		3.0e-01	(1)	ND							
Lead		ND		ND							
Manganese	Food	1.4e-01	IRIS	1.4e-01	HEAST	Oral-diet	NA	CNS effects	Human	1	IRIS
	All other media	4.7e-02	IRIS	ND		Oral-diet	NA	CNS effects	Human	3 M	IRIS
Thallium		8.0e-05	IRIS (3)	8.0e-04	HEAST (3)	Oral-gavage	Low	No effects observed	Rat	3000 H,A,S,D	IRIS
Vanadium		7.0e-03	HEAST	7.0e-03	HEAST	Oral-drinking water	Low	No effects observed	Rat	100 H,A	HEAST

Table 9-3
Oral Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	Oral RfD (mg/kg-day)	Source	Oral RfD (mg/kg-day)	Source						

Notes:
(1) This value was provided by the Environmental Criteria and Assessment Office (ECAO) of the USEPA in response to a specific request.
(2) The toxicity values for chromium are based on chromium VI.
(3) The ingestion RfD values for thallium are based on thallium sulfate.

[1] Uncertainty factors:
H = Variation in human sensitivity
A = Animal to human extrapolation
S = Extrapolation from subchronic to chronic NOAEL
L = Extrapolation from LOAEL to NOAEL
D = Inadequate data
M = Modifying factor

IRIS = Integrated Risk Information System on-line database search, current as of March 1996.
HEAST = Health Effects Assessment Summary Tables, current as of November 1995.
mg = milligram
kg = kilogram
RfD = Reference dose
CNS = central nervous system
ND = No Data

Table 9-4
Inhalation Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
VOLATILES										
1,1-Dichloroethane	5.0e+02	HEAST (1)	5.0e+03	HEAST (2)	Inhalation	Low	Kidney damage	Cat	1000 H,A,S	HEAST
1,1-Dichloroethylene	ND		ND							
Benzene	ND		ND							
Toluene	4.0e+02	IRIS	ND		Inhalation	Medium	Neurological effects	Human	300 H,L,D	IRIS
Xylenes (total)	ND		ND							
SEMIVOLATILES										
Benzo(a)Anthracene	ND		ND							
Benzo(a)Pyrene	ND		ND							
Benzo(b)Fluoranthene	ND		ND							
Benzo(k)Fluoranthene	ND		ND							
bis(2-Ethylhexyl)phthalate	ND		ND							
Chrysene	ND		ND							

Table 9-4
Inhalation Dose-Response Data
for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
Dibenz(a,h)Anthracene	ND		ND							
Indeno(1,2,3-cd)Pyrene	ND		ND							
Naphthalene	ND		ND							
INORGANICS										
Aluminum	ND		ND							
Antimony	ND		ND							
Arsenic	ND		ND							
Beryllium	ND		ND							
Cadmium	ND		ND							
Chromium	ND		ND							
Cyanide	ND		ND							
Iron	ND		ND							
Lead	ND		ND							

Table 9-4
Inhalation Dose-Response Data for Noncarcinogenic Effects

Navy CLEAN Program

Chemical	Chronic		Subchronic		Study Type	Confidence Level	Critical Effect	Test Animal	Uncertainty Factor [1]	Study Source
	RfC ($\mu g/m^3$)	Source	RfC ($\mu g/m^3$)	Source						
Manganese	5.0e-02	IRIS	ND		Inhalation	Medium	Impaired neurobehavioal function	Human	1000 H,L,D	IRIS
Thallium	ND		ND							
Vanadium	ND		ND							

Notes:

(1) 1,1-Dichloroethane has a chronic inhalation RfD of 1.0e-01 mg/kg-day (HEAST).
(2) 1,1-Dichloroethane has a subchronic inhalation RfD of 1.0e+00 mg/kg-day (HEAST).

[1] Uncertainty factors:
- A = Animal to human extrapolation
- H = Variation in human sensitivity
- S = Extrapolation from subchronic to chronic NOAEL
- L = Extrapolation from LOAEL to NOAEL
- D = Inadequate data
- M = Modifying factor

IRIS = Integrated Risk Information System on-line database search, current as of March 1996.
HEAST = Health Effects Assessment Summary Tables, current as of November 1995.
μg = microgram
m^3 = cubic meter
RfC = Reference concentration
ND = No Data
NA = Not Applicable

Table 9-5
Dermal Dose-Response Data for Carcinogenic Effects

Navy CLEAN Program

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency	Reference	Dermal Slope Factor (mg/kg-day)-1
VOLATILES					
1,1-Dichloroethane	C	NE		(1)	NE
1,1-Dichloroethylene	C	6.0e-01	100%	Putcha et al., 1986	6.0e-01
Benzene	A	2.9e-02		(1)	2.9e-02
Toluene	D	NE			NE
Xylenes (total)	D	NE			NE
SEMIVOLATILES					
Benzo(a)Anthracene	B2	7.3e-01	91%	(2)	8.0e-01
Benzo(a)Pyrene	B2	7.3e+00	91%	Hecht et al., 1979	8.0e+00
Benzo(b)Fluoranthene	B2	7.3e-01	91%	(2)	8.0e-01
Benzo(k)Fluoranthene	B2	7.3e-02	91%	(2)	8.0e-02
bis(2-Ethylhexyl)phthalate	B2	1.4e-02	100%	Chadwick et al., 1982	1.4e-02
Chrysene	B2	7.3e-03	91%	(2)	8.0e-03
Dibenz(a,h)Anthracene	B2	7.3e+00	91%	(2)	8.0+00
Indeno(1,2,3-cd)Pyrene	B2	7.3e-01	91%	(2)	8.0e-01

Table 9-5
Dermal Dose-Response Data for Carcinogenic Effects

Navy CLEAN Program

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency	Reference	Dermal Slope Factor (mg/kg-day)-1
Naphthalene	D	NE			NE
INORGANICS					
Aluminum	D	NE			NE
Antimony	D	NE			NE
Arsenic	A	1.5e+00	98%	Vahter, 1983	1.5e+00
Beryllium	B2	4.3e+00	1%	Owen, 1990	4.3e+02
Cadmium	D	NE			NE
Chromium	D	NE			NE
Cyanide	D	NE			NE
Iron	D	NE			NE
Lead	B2	NE			NE
Manganese	D	NE			NE
Thallium	D	NE			NE
Vanadium	D	NE			NE

Table 9-5
Dermal Dose-Response Data for Carcinogenic Effects

Navy CLEAN Program

Compound	Weight of Evidence	Oral Slope Factor (mg/kg-day)-1	Oral Absorption Efficiency	Reference	Dermal Slope Factor (mg/kg-day)-1

Notes:

(1) This toxicity values is based on absorbed dose. Therefore, no adjustment of this value is necessary.
(2) The oral absorption efficiency of all PAHs is assumed to be identical to that of benzo(a)pyrene, based on structural analogy.

[1] Weight of Evidence (route-specific):

A	=	Human carcinogen
B	=	Probable human carcinogen (B1 = limited human evidence; B2 = sufficient human evidence)
C	=	Possible human carcinogen
D	=	Not classifiable as to human carcinogenicity

mg = milligram
kg = kilogram
NE = Not evaluated

Table 9-6
Dermal Dose-Response Data for Noncarcinogenic Effects

Navy CLEAN Program

	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)
VOLATILES						
1,1-Dichloroethane	1.0e-01	1.0e+00		(1)	1.0e-01	1.0e+00
1,1-Dichloroethylene	9.0e-03	9.0e-03	100%	Putcha et al., 1986	9.0e-03	9.0e-03
Benzene	3.0e-04	ND	100%	ATSDR, 1993	3.0e-04	ND
Toluene	2.0e-01	2.0e+00	100%	Smith et al., 1954	2.0e-01	2.0e+00
Xylenes (total)	2.0e+00	ND	100%	Bray et al., 1949	2.0e+00	ND
SEMIVOLATILES						
Benzo(a)Anthracene	ND	ND	91%	(2)	ND	ND
Benzo(a)Pyrene	ND	ND	91%	Hecht et al., 1979	ND	ND
Benzo(b)Fluoranthene	ND	ND	91%	(2)	ND	ND
Benzo(k)Fluoranthene	ND	ND	91%	(2)	ND	ND
bis(2-Ethylhexyl)phthalate	2.0e-02	ND	100%	Chadwick et al., 1982	2.0e-02	ND
Chrysene	ND	ND	91%	(2)	ND	ND
Dibenz(a,h)Anthracene	ND	ND	91%	(2)	ND	ND

Table 9-6
Dermal Dose-Response Data for Noncarcinogenic Effects

Navy CLEAN Program

	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)
Indeno(1,2,3-cd)Pyrene	ND	ND	91%	(2)	ND	ND
Naphthalene	4.0e-02	ND	100%	Chang, 1943	4.0e-02	ND
INORGANICS						
Aluminum	1.0e+00	ND	20%	(3)	2.0e-01	ND
Antimony	4.0e-04	4.0e-04	1%	ATSDR, 1991a	4.0e-06	4.0e-06
Arsenic	3.0e-04	3.0e-04	98%	Vahter, 1983	2.9e-04	2.9e-04
Beryllium	5.0e-03	5.0e-03	1%	Owen, 1990	5.0e-05	5.0e-05
Cadmium	1.0e-03	ND	1%	McLellan et al, 1978	1.0e-05	ND
Chromium	5.0e-03	2.0e-02	11%	Ogawa, 1976	5.5e-04	2.2e-03
Cyanide	2.0e-02	2.0e-02	17%	Gettler & Baine, 1938	3.4e-03	3.4e-03
Iron	3.0e-01	ND	2%	Goyer, 1991	6.0e-03	ND
Lead	ND	ND			ND	ND
Manganese	4.7e-02	ND	4%	ATSDR, 1991b	1.9e-03	ND
Thallium	8.0e-05	8.0e-04	100%	Lie et al., 1960	8.0e-05	8.0e-04
Vanadium	7.0e-03	7.0e-03	3%	ATSDR, 1991d	2.1e-04	2.1e-04

Table 9-6
Dermal Dose-Response Data for Noncarcinogenic Effects

Navy CLEAN Program

	Chronic Oral RfD (mg/kg-day)	Subchronic Oral RfD (mg/kg-day)	Oral Absorption Efficiency	Reference	Dermal Chronic RfD (mg/kg-day)	Dermal Subchronic RfD (mg/kg-day)

Notes:

(1) This toxicity values is based on absorbed dose. Therefore, no adjustment of this value is necessary.
(2) The oral absorption efficiency of all PAHs is assumed to be identical to that of benzo(a)pyrene, based on structural analogy.
(3) Inorganics lacking specific information on absorption efficiency are assigned a default value of 20% (USEPA Region IV, 1993).

mg = milligram
kg = kilogram
RfD = Reference dose
ND = No Data

PROJECT: NAS Cecil Field RI OUs 3,4,5,8	**LOG of WELL:**	**LOG OF BORING:** CF7SSB9S
CLIENT: SOUTHDIVNAVFACENGCOM		**PROJECT NO:** 8520.22
DRILLING SUBCONTRACTOR: Groundwater Protection Inc.	**DATE STARTED:** 09-21-94	**COMPLETED:** 09-21-94
DRILL RIG: CME 75	**DRILL MTHD.:** 2.375" ID HSA	**SAMP. MTHD.:** 2"x2' spoon	**PROTECTION LEVEL:** D
GROUND ELEV.: 78.4 FT. NGVD	**MONITOR INST.:** Microtip-PID	**TOTAL DEPTH:** 7 FT. BLS	**DEPTH TO ▽** 7 FT. BLS
LOGGED BY: M. Pijnenburg	**HOLE ABANDONMENT DATE:** 09-21-94	**SITE:** 7

DEPTH FT.	SAMP. DEPTH /MATRIX.	SAMPLE INTERVAL	BLOWS/6in.	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	REMARKS
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: Hand Auger 3-7'bls: continuous
	1-3 soil			1-3 0				split-spoons
	3-5 soil		7-12	3-5 152				
			10-12					
5	5-7 soil		9-5	5-7 230	Samples collected were analyzed for USEPA Level III analysis of VOCs, PAHs, TPH, and Lead.			
			5-7					
					End of boring: 7'bls.			groundwater encountered bottom hole ▽
10								

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-1
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-22-94	**COMPLTD:** 08-23-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 96 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-23-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0-2 0	0-88.0 *Sand (SP)*, 100%, quartz, pale brown to brown to dark brown to gray to dark gray, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, loose, saturated, occasionally silty.		SP	0-4'bls: post hole 4-10'bls: split-spoon	
	2-4 soil			2-4 0					
	4-6 soil			4-6 0					
5			1-1						
			2-3	6-8 n/a				groundwater encountered	∇
			3-3						
			4-5	8-10 n/a					
			7-8						
			10-12						
10	11-15 water							wl sampling string: 0 wl augers: 6'bls	
15									
	18-22 water							wl sampling string: 0 wl augers: 7'bls	
20									
25									
	28-32 water							wl sampling string: 0 wl augers: 7'bls	
30									
35									
40									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** GS-8-1
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Layne Environmental Services		**DATE STARTED:** 08-22-94	**COMPLTD:** 08-23-94
METHOD: Gus Pech BR22	**CASE SIZE:** 4.25" ID HSA	**SCREEN INT.:** Aqua Probe	**PROTECTION LEVEL:** D
TOC ELEV.: 68.1 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 96 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: A. Workman	**WELL DEVELOPMENT DATE:** 08-23-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
					Continued from PAGE 1				
					Sand continued.		SP		
45									
50									
	52-56 water							wl sampling string: 0 wl augers: 8'bls	
55									
60									
65									
70									
	72-74 water							wl sampling string: 0 wl augers: 8'bls	
75									
80									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB18S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 70.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to dark brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-11	3-5 0					
			10-10						
5	5-7 soil		8-7	5-7 0					
								groundwater encountered	∇
			9-8		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs, End of boring: 7'bls.			bottom hole	
10									

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB19S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.7 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ▽** 6 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, poorly to moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		8-6	3-5 0					
			7-7						
5	5-7 soil		6-5	5-7 0					
								groundwater encountered	▽
			8-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs,				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB20S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 69.4 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ∇** 4 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		7-8	3-5 0					
			6-7					groundwater encountered	∇
5	5-7 soil		6-5	5-7 0					
			5-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs.				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.

TITLE: NAS Cecil Field RI OUs 3,4,5,6		**LOG of WELL:**	**BORING NO.** CF8SSB21S
CLIENT: SOUTHDIVNAVFACENGCOM			**PROJECT NO:** 8520.22
CONTRACTOR: Groundwater Protection Inc.		**DATE STARTED:** 10-08-94	**COMPLTD:** 10-08-94
METHOD: Mobil Drill B-59	**CASE SIZE:** 2 3/8" ID HSA	**SCREEN INT.:** split spoon	**PROTECTION LEVEL:** D
TOC ELEV.: 65.9 FEET.	**MONITOR INST.:** Microtip-PID	**TOT DPTH:** 7 FEET.	**DPTH TO ▽** 4.5 FEET.
LOGGED BY: M. Pijnenburg	**WELL DEVELOPMENT DATE:** 10-08-94		**SITE:** 8

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
	0-1 soil			0-1 0	0-7.0 *Sand (SP)*, 100%, quartz, light to medium brown, fine-to medium-grained, sub-angular to sub-rounded, moderately well sorted, occasionally silty.		SP	0-3'bls: hand auger 3-7'bls: split-spoon	
	1-3 soil			1-3 0					
	3-5 soil		9-10	3-5 0					
			8-8					groundwater encountered	▽
5	5-7 soil		9-8	5-7 0					
			6-7		Samples collected were analyzed for USEPA Level III analysis of VOCs, lead, PAHs, and TPHs.				
					End of boring: 7'bls.			bottom hole	
10									

 ABB ENVIRONMENTAL SERVICES, INC.