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SAMPLING AND ANALYSIS REPORT FOR AREA OF INTEREST 21 BASE REALIGNMENT AND CLOSURE ZONE B GOLF COURSE AREA GROUP 8 REVISION 1 NAS CECIL FIELD FL
3/1/1999
HARDING LAWSON ASSOCIATES

SAMPLING AND ANALYSIS REPORT

AREA OF INTEREST 21

BASE REALIGNMENT AND CLOSURE

ZONE B, GOLF COURSE AREA
GROUP VIII

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code N60200

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Revision 1.0

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc
AOI	area of interest
BCT	BRAC cleanup team
BRAC	Base Realignment and Closure
DDD	dichlorodiphenyldichloroethane
EBS	environmental baseline survey
ELCR	excess lifetime cancer risk
FDEP	Florida Department of Environmental Protection
GCTL	groundwater cleanup target level
HI	hazard index
HLA	Harding Lawson Associates
HQ	hazard quotient
NAS	Naval Air Station
PCB	polychlorinated biphenyl
PRE	preliminary risk evaluation
PSC	potential source of contamination
RBC	risk-based concentration
SAO	sampling and analysis outline
SCTL	soil cleanup target level
TAL	target analyte list
TCL	target compound list
TRPH	total recoverable petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency

1.0 INTRODUCTION

Harding Lawson Associates (HLA), under contract to the Southern Division, Naval Facilities Engineering Command, has completed the Phase II Sampling and Analysis program for Area of Interest (AOI) 21 at Naval Air Station (NAS) Cecil Field. This report summarizes the related field operations, results, conclusions, and recommendations of the Phase II investigation.

AOI 21, also referred to as the Golf Course Maintenance Area, is located at the north end of "I" Avenue at NAS Cecil Field (Figure 1). AOI 21 includes Facilities 238, 370, 371, 397, 398, and 874, and the surrounding land area.

Facility 238 is referred to as the Golf Course Maintenance Building. It has office space, a small repair shop, and a fenced sheltered storage area. Facilities 370 and 371 are metal storage sheds and are located to the west and northwest of Facility 238, respectively. Facility 397 is referred to as the Pesticide Storage Building. It is secured by a perimeter fence and has a concrete-paved mixing area with secondary containment. A septic system south of Facility 397 is indirectly connected to a catch basin in the mixing area, and could potentially be impacted by site activities. Facility 398, referred to as the Golf Course Storage Building, is a large quonset hut with an earthen floor and is used to store golf course maintenance equipment and vehicles. Sand and fertilizer are also stored in this facility. Facility 874 is a public toilet and is currently abandoned. With the exception of Building 397, which was built in 1981, the facilities at AOI 21 date back to the early 1950s.

Activities at AOI 21 included routine cleaning and rinsing of chemical-dispensing equipment at two locations along a man-made drainage ditch north of Building 238. Surface disposal of chemical containers was also reported in an open area located northwest of Building 238 (Envirodyne Engineers, Inc. 1985). The Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994a) also referenced the following as environmental concerns at AOI-21:

- storage of waste oil and antifreeze, and stained soil on the west side of Facility 238;
- aboveground and underground fuel storage tanks;
- used grease stored in Facility 371;
- oil stains on the floor of Facility 398; and
- septic systems at Facilities 397 and 874.

A site screening study to determine the requirement for additional investigative activities was completed at areas of documented surface dumping and equipment rinse areas in November 1991. Six surface soil samples (BOR-A-1 through BOR-A-6) and three sediment samples (SD-A-1 through SD-A-3) were collected during the preliminary site investigation (Figure 2). All samples were analyzed for target compound list (TCL) volatile organic compounds, semivolatile organic compounds, pesticide and polychlorinated biphenyl (PCB) compounds, and target analyte list (TAL) inorganics. The Site Screening Study (ABB-ES, 1992) indicated several compounds and analytes were detected at elevated concentrations, and recommended collecting and analyzing additional samples to define the nature and extent of contamination.

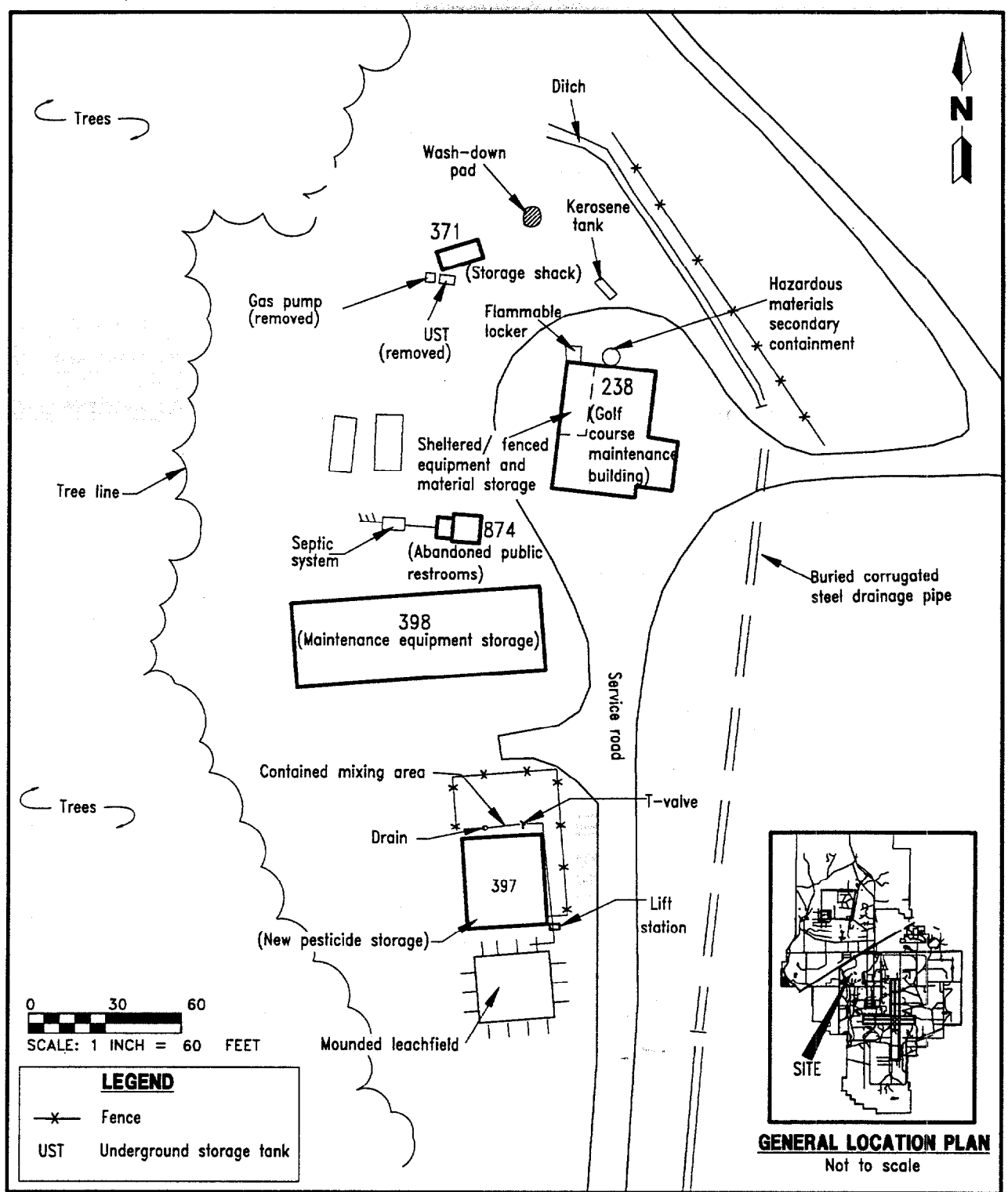

FIGURE 1
AREA OF INTEREST 21
SITE PLAN

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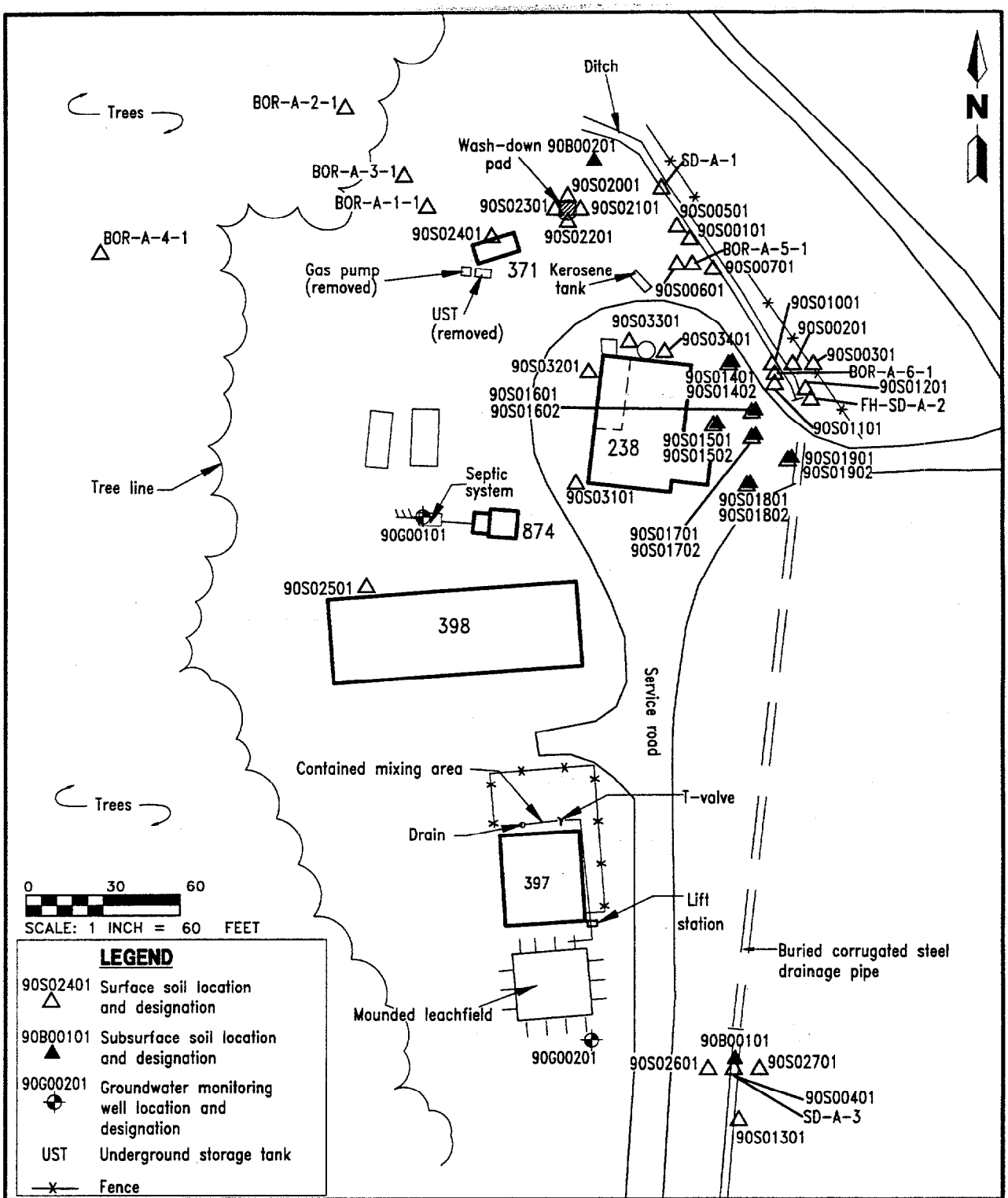

FIGURE 2
AREA OF INTEREST 21
SAMPLE LOCATION PLAN

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SAMPLING AND ANALYSIS REPORT

NAVAL AIR STATION CECIL FIELD
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2.0 PHASE II INVESTIGATION

Additional investigation was required to determine whether contaminants detected in surface soil during the 1991 investigation have impacted groundwater in the area. The Base Realignment and Closure (BRAC) cleanup team (BCT) regards septic tank and leachfield systems as potential pathways for contaminants to enter the groundwater if improperly used. Therefore, the Sampling and Analysis Outline (SAO) for AOI 21 prepared by HLA (then ABB-ES) and approved by the BCT (ABB-ES, 1996) included the installation of shallow groundwater monitoring wells and collection and analysis of groundwater samples downgradient of septic leachfields at Facilities 874 and 397 (Figure 2).

Both wells (CEF-AOI21-1S and CEF-AOI21-2S) were installed to a depth of 13 feet below land surface. Each groundwater sample (90G00101 and 90G00201) was analyzed for TCL (organic analytes) and TAL (inorganic analytes). Field activities were undertaken in general conformance with the Project Operations Plan (ABB-ES, 1994b).

2.1 SUPPLEMENTARY INVESTIGATION. Following a preliminary review of analytical data, the BCT identified a requirement for additional surface and subsurface soil samples. A total of 19 surface soil samples (90S00101 through 90S00701, 90S01001 through 90S01901, 90S02601, and 90S02701) and 8 subsurface soil samples (90B00101, 90B00201, and 90S01402 through 90S01902) were collected during two phased field operations. Samples were collected to confirm the results of the 1991 sampling event and to determine the extent of arsenic contamination north and east of Facility 238 (Figure 2).

In addition, 10 surface soil samples (90S02001 through 90S02501 and 90S03101 through 90S03401) were collected from locations determined by the BCT during a November 1998 site visit (Figure 2). These include four samples collected from the perimeter of a concrete-paved equipment rinse pad northwest of Facility 238, two samples collected adjacent to hazardous materials storage bins located along the north side of Facility 238, two samples collected along the west side of Facility 238 near the fenced shelter, and one sample collected near the northwest corner of Facility 398, beneath a parked 250-gallon pesticide dispensing bowser. These nine samples were analyzed for the full suite of TCL organics, pesticides and PCB compounds, organophosphate pesticide and herbicides, and TAL organics.

Locations were selected for sample identifiers 90S00801, 90S00901, and 90S02801 through 90S03001 during planning stages. However, based on field observations and preliminary analytical results for adjacent locations, these samples were not required and were not collected and analyzed.

2.2 INVESTIGATION FINDINGS. The findings of each phase of investigation at AOI-21 are presented and evaluated together in this report to provide continuity. All laboratory analytical data are compared to screening criteria currently in use for evaluation of BRAC program sites at NAS Cecil field. Inorganic analytes are compared to NAS Cecil Field screening criteria for inorganics established by the NAS Cecil Field partnering team and Florida Department of Environmental Protection (FDEP) soil and groundwater cleanup target Levels (SCTLs and GCTLs) (FDEP, 1998). The NAS Cecil Field screening criteria were determined by using

the nonparametric upper-outside value cutoffs as described in *Understanding Robust and Exploratory Data Analysis* (Hoaglin et al., 1983). These screening values were developed from data collected throughout NAS Cecil Field.

Soil. Surface water is not normally present in the man-made drainage ditch forming the north and east perimeters of AOI-21. Therefore, the sediment samples collected in 1991 are evaluated in this report by comparison to surface soil screening values. Elevated concentrations of arsenic, in excess of the NAS Cecil Field Inorganic Background Data Set values and Florida SCTLs, were detected at four of the nine surface soil and sediment samples collected during the 1991 sampling event. Elevated concentrations of Vanadium were also detected at three of these sample locations. No other analytes were detected at concentrations in excess of site screening criteria during the 1991 sampling event. These sample locations were north and east of Facility 238, and at the outfall of a buried drain pipe connected to the drainage ditch.

Surface and subsurface soil samples were collected in 1998 to delineate the extent of arsenic contamination. It appears that the southern extent of contamination in the area east of Facility 238 has been delineated. However, elevated concentrations of arsenic were encountered in samples collected to the north and west of the facility and in samples surrounding the outfall of the drain pipe. A complete analytical laboratory data report is presented in Appendix B.

Arsenic was detected at 42 of 47 soil sample locations and is the most widespread contaminant of concern encountered at AOI-21. The concentration of arsenic detected at each sample location in AOI-21 is presented in Table 1. Arsenic was detected at concentrations in excess of the Florida SCTL for a residential exposure scenario at 21 sample locations (Figure 3).

Organic contaminants were not widely encountered and with, the exception of three sample locations, do not exceed SCTLs. Total recoverable petroleum hydrocarbons (TRPH) was encountered at a concentration of 1,900 milligrams per kilogram in a sample collected on the north side of Facility 371. No other contaminants exceed SCTLs at this sample location. TRPH, dieldrin, and chlordane were detected at concentrations in excess of SCTLs in a sample location on the west side of the equipment rinse pad. Sample 90S03201 was collected near the fenced storage area at the northeast corner of Facility 238. TRPH, dichlorodiphenyldichloroethane (DDD), dichlorodiphenyltrichloroethane, MCPA, and toxaphene were detected at concentrations in excess of SCTLs at this location. Organic contaminants were not detected in excess of SCTLs at any other sample locations within the study area (Figure 4).

Groundwater. Several chlorinated organic pesticide compounds were detected in groundwater collected downgradient of the septic leachfield at Facility 874, at concentrations approaching or exceeding GCTLs. Groundwater collected downgradient of the leachfield at Facility 397 did not contain elevated concentrations of pesticides. Inorganic analytes were detected at both sample locations, but at concentrations which do not exceed NAS Cecil Field screening criteria for inorganics and GCTLs.

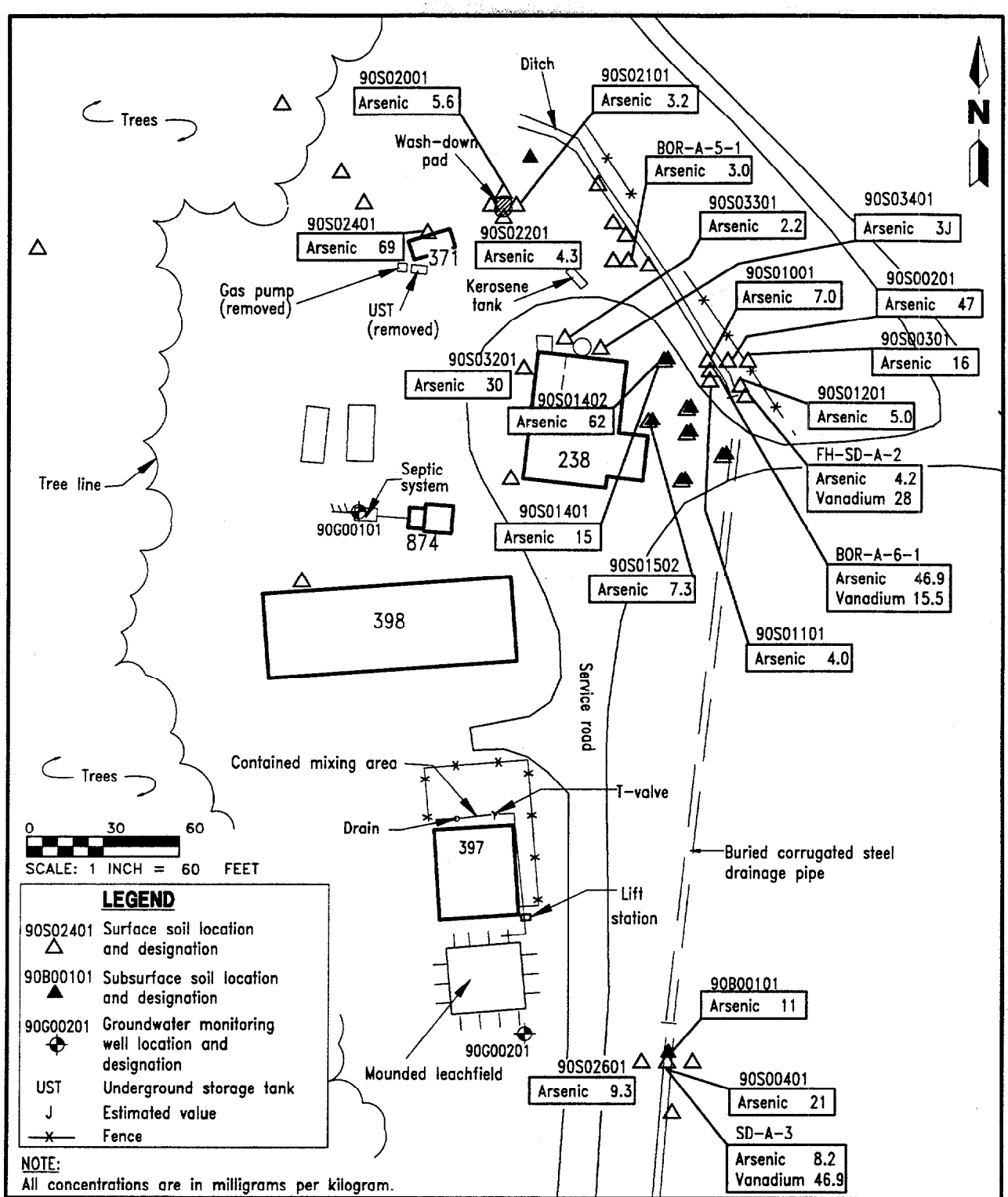

FIGURE 3
AREA OF INTEREST 21
INORGANIC ANALYTES DETECTED AT CONCENTRATIONS IN EXCESS OF SCREENING CRITERIA

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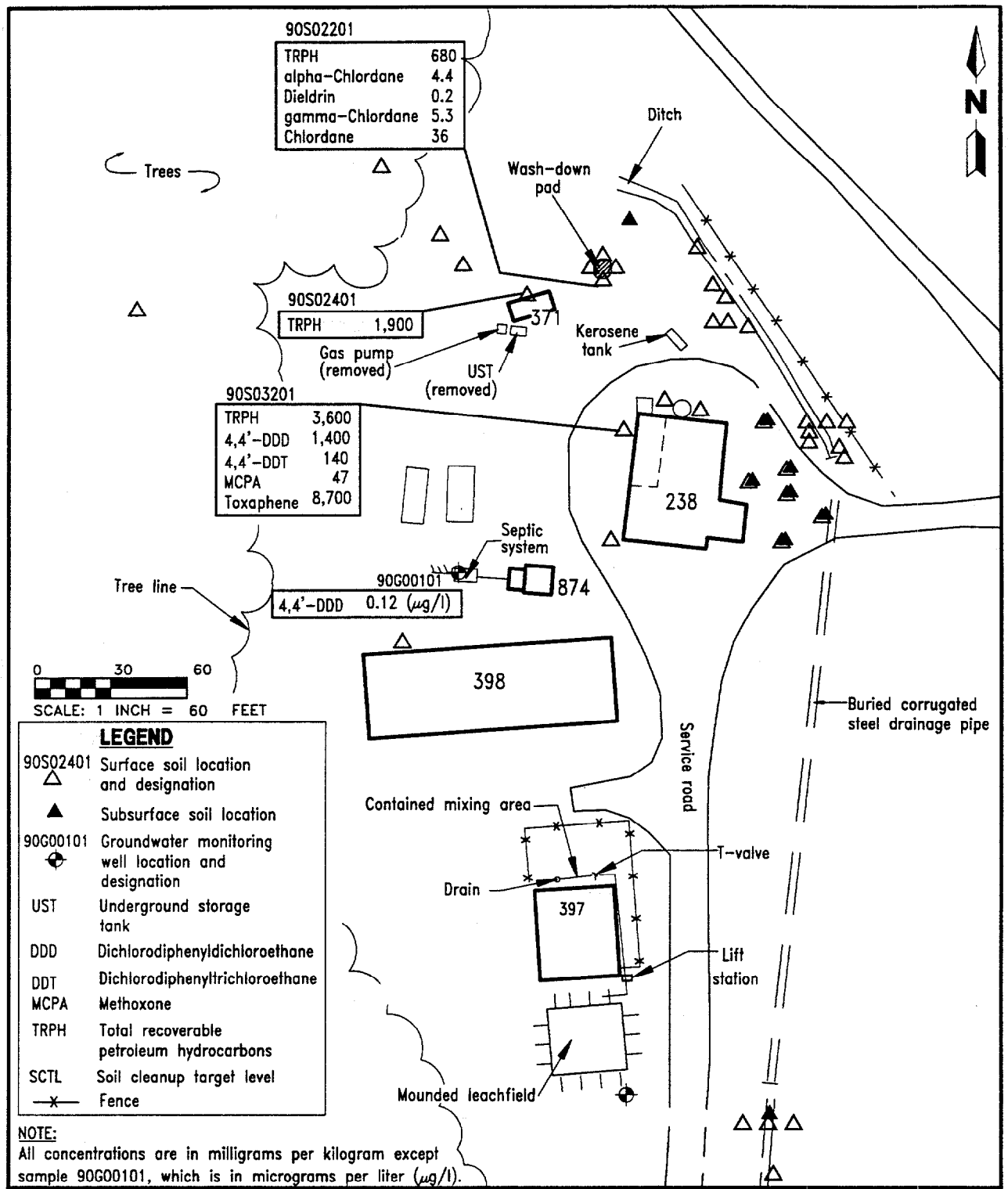

NOTE:
All concentrations are in milligrams per kilogram except sample 90G00101, which is in micrograms per liter (µg/l).

FIGURE 4
AREA OF INTEREST 21
ORGANIC ANALYTES AND PESTICIDE COMPOUNDS DETECTED AT CONCENTRATIONS IN EXCESS OF FLORIDA SCTLs

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SAMPLING AND ANALYSIS REPORT

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Table 1
Arsenic Concentrations Detected in Surface and Subsurface Soil Samples AOI-21

Sampling and Analysis Report
Area of Interest 21
Zone B, Golf Course Area, Group VIII
Naval Air Station Cecil Field, Jacksonville, Florida

Sample	Concentration	Lab Qualifier
90B00101	11	
90B00201	1.8	J
90S00101	1	J
90S00201	47	
90S00301	16	
90S00401	21	
90S00501	2	
90S00601	2	J
90S00701	1	J
90S01001	7	
90S01101	4	
90S01201	5	
90S01301	1	J
90S01401	15	
90S01402	62	
90S01501	1	J
90S01502	7.3	
90S01601	0.9	J
90S01602	0.6	U
90S01701	0.5	U
90S01702	0.6	U
90S01801	0.9	J
90S01802	0.8	J
90S01901	0.5	U
90S01902	0.7	J
90S02001	5.6	
90S02101	3.2	
90S02201	4.3	
90S02301	1.1	J
90S02401	69	
90S02501	1.3	J
90S02601	9.3	
90S02701	1.8	J
90S03101	0.5	U
90S03201	30	
90S03301	2.2	
90S03401	3	J

Notes: All concentrations in mg/kg.

U = Undetected. J = estimated value.

3.0 PUBLIC HEALTH PRELIMINARY RISK EVALUATION

A preliminary risk evaluation (PRE) was conducted to assess potential risks to human health posed by contaminants in groundwater and surface soil. Primary exposure pathways were evaluated to determine those pathways that potentially contribute to human health risks. The evaluation was conducted in general conformance with methodology provided in the U.S. Environmental Protection Agency (USEPA) Region IV memorandum entitled "Amended Guidance on PREs for the Purpose of Reaching a Finding of Suitability to Lease (FOSL)" (USEPA, 1994), USEPA Region IV bulletins on ecological risk assessment (USEPA, 1995), and minutes of meetings with the USEPA and the FDEP concerning PREs (ABB-ES, 1995). Site background information and rationale for sample collection and analysis are detailed in the EBS Report (ABB-ES, 1994a) and the SAO (ABB-ES, 1996). No risk evaluation is conducted for inorganic analytes detected at concentrations below NAS Cecil Field screening criteria for inorganics.

All detected analytes were compared to readily available risk-based screening values to assess the likelihood of adverse human health effects associated with potential exposure to surface soil or groundwater. Risk-based screening values were obtained from USEPA Region III Risk-Based Concentrations (RBCs) (USEPA, 1996) and FDEP SCTLs and GCTLs (FDEP, 1998). Most screening values published in the references listed above are based on toxicity constants and standard human exposure scenarios and correspond to fixed levels of risk. The designated level of risk for noncarcinogenic chemicals is based on a hazard quotient (HQ) of 1. The level of risk for carcinogenic chemicals is based on an excess lifetime cancer risk (ELCR) of 1×10^{-6}. Cancer and noncancer risks associated with industrial and residential land use are estimated by dividing the maximum detected analyte concentration by the corresponding USEPA Region III RBC value at the designated level of risk (HQ of 1 or ELCR of 1×10^{-6}). For noncarcinogens, the HQs are summed to determine the cumulative noncancer risk or hazard index (HI).

3.1 SOIL. An ELCR of 2×10^{-2} was calculated for a potential surface soil exposure scenario at AOI-21, based upon the maximum detected concentrations of each contaminant detected over the entire site (Appendix A). The greatest effect on the ELCR is attributable to toxaphene, which was only detected in one location. A non-carcinogen HI of less than 1 was calculated based upon the concentration of vanadium detected in sample SD-A-3.

3.2 GROUNDWATER. 4,4-DDD is the only compound detected at a concentration in excess of applicable screening criteria. An ELCR of 4×10^{-7} was calculated in association with a potential groundwater exposure scenario (Appendix A). If potential adverse health effects are considered for compounds detected at concentrations below GCTLs at this site, the resulting ELCR would be 2×10^{-4}.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information collected for this evaluation, it appears that soil and groundwater within AOI-21 have been impacted by release of pesticides and may represent a potential hazard to human health. Surface soil contamination may be related to incidental spills during storage, transport, mixing, loading, and rinsing activities in the area dating back to the 1950s. Elevated concentrations of pesticides detected in the groundwater monitoring well south of Facility 874 may be related to contaminants detected in surface soil near the northwest corner of Facility 238.

Additional investigation of AOI-21 is required to determine the nature and extent of contamination in soil and groundwater. The BRAC color classification for AOI-21, and all numbered facilities within, should be changed to 5/Yellow to indicate that a release of contaminants has been identified and further evaluation and remedial action are required. The BCT has redesignated AOI 21 to Potential Source of Contamination (PSC) 21. Information pertinent to the subsequent evaluation of soil and groundwater contamination in this area will be presented in a technical memorandum for PSC 21. An interim remedial action should be considered to delineate and remove highly contaminated soils west of Facility 238.

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APPENDIX A

PRELIMINARY RISK EVALUATION TABLES

Preliminary Human Health Risk Evaluation Table for Analytes Detected in Groundwater
Area of Interest 21, Naval Air Station Cecil Field

Analyte[1]	Samples 90G00101	90G00101F	90G00201	Screening Values BKGRD	GCTL	RBC(T)		Calculated Risk Values[2] ELCR	HQ
*4,4-DDD	0.12				0.1	0.28	c	4.E-07	
Endrin ketone			0.039		2	11	n		
Heptachlor	0.19				0.2	0.0023	c		
Heptachlor epoxide	0.1				0.2	0.0012	c		
alpha-Chlordane	1.9				2	0.052	c		
gamma-Chlordane	1.5				2	0.052	c		
*Aluminum	3170	1180		13100	200	37000	n		
Aluminum			182	13100	200	37000	n		
*Antimony	35.5	35.2		44.5	6	15	n		
Arsenic	2.1		2.3	7.1	50	0.045	c		
Barium	14.9	13	32.6	88.2	2000	2600	n		
Calcium	55400	54600	43400	81100					
Chromium	2.9	1.5		18	100	180	n		
Cobalt	1.1	1.2	1.2	12.8	420	2200	n		
Copper	4.2	3.5		12.5	1000	1500	n		
*Iron	414	167		7760	300	11000	n		
Lead	2.5			5.35	15				
Magnesium	1770	1690	4860	10000					
Manganese	5.3	5.2	35.1	96.2	50	840	n		
*Potassium	1040	980	5250	4330					
Sodium	7520	6930	6210	16500	160000				
*Thallium	3.6		6	13.3	2	2.9	n		
Vanadium	11.2	9.2	2.3	20.2	49	260	n		
Zinc	6.3	13.7	4.2	76.8	5000	11000	n		
Cyanide	2.7		3.4	22	200	730	n		
						Sum=		4.E-07	

Notes:

[1] All detected analytes are reported. Concentrations and screening values are expressed in ug/l

[2] ELCR and HQ are only calculated for analytes detected at concentrations in excess of BKGRD and GWCTL

*= Background screening criteria or GWCTLs have been exceeded

BKGRD= NAS Cecil Field Inorganic Background Data Set

GCTL = Groundwater Cleanup Target Levels, FDEP, Chapter 62-785, Florida Administrative Code

RBC(T)= Risk-based Concentration (Tap Water), USEPA Region III, April 1998

n=non-carcinogenic risk

c=carcinogenic risk

ELCR = calculated excess lifetime cancer risk, based on RBC(T) values.

(ELCR = maximum detected concentration/RBC(T) * 1E-06)

HQ = calculated Hazard Quotient for non-carcinogenic analytes

(HQ=maximum detected concentration/RBC(T))

Table 4

BRAC Preliminary Ecological Risk Evaluation Table for Analytes Detected in Sediment
Area of Interest 21, Golf Course Maintenance Area
Naval Air Station Cecil Field

	Sample			Screening Criteria			
Analyte[1]	SD-A-1	SD-A-2	SD-A-3	BKGRD	Plant	Invert	Vert
Semivolatile Organic Compounds							
4-Methyl-2-pentanone			0.12				
Methylene chloride		0.083	0.24		1000	150	6800
4-Methylphenol	0.07				96	8	6400
Di-n-butylphthalate			0.055		200	630	16000
Fluoranthene		0.055			25	34	910
bis(2-Ethylhexyl) phthalate		0.067	0.079		1000	630	1700
Pesticide Compounds							
4,4-DDD		0.045	0.042		12.5	12	0.79
4,4-DDE		0.063	0.053		12.5	12	1.5
Dieldrin		0.021	0.0048		12.5	30	1.9
gamma-Chlordane	0.021	0.32	0.32		12.5		0.35
Inorganic Analytes							
*Aluminum	4500	34900	26500	4432.5	50		54000
*Arsenic	1.7	4.2	8.2	2.0375	10	100	15
*Barium	6.3	14.9	26.1	14.4	500		23000
*Calcium[2]	1580	1630	594	9.44			
*Chromium	5.7	29	20.8	7.75	1	50	14000
Cobalt	1.5			3.11	20		1600
Copper	3.8	3.8	5.5	5.965	100	30	1000
*Iron[2]	917	6840	9780	1486			
Lead	5.4	6.2	9.1	196.9	50	1190	260
*Magnesium	169	520	125	328.65			
*Manganese[2]	29.9	22.1	4	21.95	500		5800
*Mercury	0.17	1.3	1.1	0.16	0.3	36	3.9
*Nickel	2.4	9	8.9	3.89	30	400	550
*Potassium[2]	150	308	133	101.8			
*Vanadium	3.6	28	46.9	6.3	2		1100
Zinc	10.8	20.8	9	36.5	50	130	1600

Notes:

[1] All detected analytes are reported. Concentrations and screening values are expressed in mg/kg.

[2] Analyte is an essential nutrient an not evaluated in the Ecological PRE.

*=Analyte concentration exceeded NAS Cecil Field screening value.

BKGRD=NAS Cecil Field screening value.

Screening Criteria (refer to the Project Operations Plan, Appendix A, ABB-ES, 1994, Appendix A for details).

Plant =Terrestrial Plant Toxicity Screening Value.

Invert=Invertebrate Toxicity Screening Value.

Vert=Vertebrate (Wildlife) Toxicity Screening Value.

Preliminary Human Health Risk Evaluation Table for Analytes Detected in Surface Soil
Area of Interest 21, Naval Air Station Cecil Field

Analyte[1]	Maximum Detected Concentration	Screening Values BKGRD	SCTL	RBC(R)	Calculated Risk Values[2] ELCR	HQ	Sample Location with Maximum Detected Concentration
Acetone	0.1		770	7800 n			90S03201
Chloroform	0.001		0.4	100 c			90S03201
Methylene chloride	1.1		16	85 c			BOR-A-7-1
Toluene	0.0029		300	16000 n			90S03201
1,2,4-Trichlorobenzene	0.0073		560	780 n			90S03201
1,2-Dichlorobenzene	0.0043		88	7000 n			90S03201
1,4-Dichlorobenzene	0.0058		5.6	27 c			90S03201
2-Methylphenol	0.11		2500	3900 n			BOR-A-3-1
4,4-DDD	1400		4.5	2.7 c	5.E-04		90S03201
4-Methylphenol	0.07		390	390 n			SD-A-1
4-Nitrophenol	0.39		380	4800 n			90S03201
Benzo (a) pyrene	0.086		0.1	0.088 c			BOR-A-7-1
Benzo (b) fluoranthene	0.42		1.4	0.88 c			90S02001
Benzo (k) fluoranthene	0.41		15	8.8 c			90S02001
bis(2-Ethylhexyl) phthalate	0.16		75	46 c			BOR-A-6-1
Chrysene	0.081		140	88 c			BOR-A-1-1
Chrysene	0.081		140	88 c			BOR-A-2-1
Di-n-butylphthalate	0.082		110	7800 n			BOR-A-2-1
Fluoranthene	0.055		2800	3100 n			FH-SD-A-2
Indeno (1,2,3-cd) pyrene	0.063		1.5	0.88 c			BOR-A-7-1
Naphthalene	0.0032		1000	3100 n			90S02401
Pentachlorophenol	0.1		8.6	5.3 c			BOR-A-1-1
Pyrene	0.1		2200	2300 n			BOR-A-1-1
Benzoic acid	0.8		150000	312857			BOR-A-4-1
1,1-Dichloroethane	0.0014			7800 n			90S03201
1,2,3-Trichlorobenzene	0.002		330	782			90S03201
2,4,5-TP (Silvex)	0.08		670	782			90S03201
2,4-D	0.047		580	782			90S03201
3,5-DCBA	0.038		9.8	0	1.E-06		90S03201
4,4-DDE	0.063		3.2	1.9 c			FH-SD-A-2
4,4-DDT	140		3.2	1.9 c	7.E-05		90S03201
4-Methyl-2-pentanone	0.12			6300 n			SD-A-3
alpha-BHC	0.0092		0.2	0.1 c			90S03101
alpha-Chlordane	4.4		3	0.49 c	9.E-06		90S02201
Aroclor-1260	0.064		0.6	0.083 c			90S03301
beta-BHC	0.12		0.6	0.35 c			90S03101
Chlordane (Total)	36		3	1.8	2.E-05		90S02201
Dacthal	0.46			782			90S03301
delta-BHC	0.004		22	0.1 c			90S03101
Diazinon	0.044		64	70			90S02301
Dieldrin	0.2		0.07	0.04 c	5.E-06		90S02201
Disulfoton	0.087		2.6	3			90S02301
gamma-BHC (Lindane)	0.11		0.7	0.49 c			90S03101
gamma-Chlordane	5.3		3	1.8 c	3.E-06		90S02201
Heptachlor epoxide	0.058		0.1	0.07 c			BOR-A-1-1
MCPA	47		0.031	39	1.E-06		90S03201
MCPP	33			78	4.E-07		90S03201
Naphthalene	8700		1	0.58 c	2.E-02		90S03201

Preliminary Human Health Risk Evaluation Table for Analytes Detected in Surface Soil
Area of Interest 21, Naval Air Station Cecil Field

Analyte[1]	Maximum Detected Concentration	Screening Values BKGRD	SCTL	RBC(R)		Calculated Risk Values[2] ELCR	HQ	Sample Location with Maximum Detected Concentration
Aluminum	34900	4432.5	72000	78000	n			FH-SD-A-2
Arsenic	69	2.0375	0.8	0.43	c	2.E-04		90S02401
Barium	64	14.4	105	5500	n			BOR-A-6-1
Cadmium	4.5	1.715	75	39	n			BOR-A-1-1
Calcium	110000	9.44						BOR-A-6-1
Chromium	30	7.75	290	390	n			90S02401
Cobalt	1.7	3.11	4700	4700	n			BOR-A-5-1
Copper	74.4	5.965	390	3100	n			BOR-A-7-1
Iron	9780	1486	23000	23000	n			SD-A-3
Lead	66	196.9	500					90S02401
Magnesium	17500	328.65						BOR-A-6-1
Manganese	317	21.95	1600	1600	n			BOR-A-6-1
Mercury	3.5	0.16	3.7	23	n			90S02201
Nickel	70.7	3.89	105	1600	n			BOR-A-7-1
Potassium	389	101.8						BOR-A-6-1
Selenium	0.6	1.68	390	390	n			BOR-A-3-1
Silver	0.99	2.13	390	390	n			BOR-A-4-1
Vanadium	46.9	6.3	15	550	n		0.1	SD-A-3
Zinc	910	36.5	23000	23000	n			90S02401
Cyanide	1.9	1.185	30	7300	n			BOR-A-6-1
TPH C8-C40	3600		350					90S03201
						2.E-02	0.1	

Notes:

[1] All detected analytes are reported. Concentrations and screening values are expressed in mg/kg

[2] ELCR and HQ are only calculated for analytes detected at concentrations in excess of BKGRD and SCTL

* = Background screening criteria or SCTLs have been exeeded

BKGRD = NAS Cecil Field Inorganic Background Data Set

SCTL = Soil Cleanup Target Level, Chapter 62-785, Florida Administrative Code

RBC(R) = Risk-based Concentration (Residential), USEPA Region III, April 1998

c = carcinogenic risk

n = non-carcinogenic risk

ELCR = calculated excess lifetime cancer risk, based on RBC(R) values. (ELCR = detected concentration/RBC(R) * 1 E-06)

HQ = calculated Hazard Quotient for non-carcinogenic analytes (HQ = detected concentration/RBC(R))

APPENDIX B

ANALYTICAL LABORATORY DATA REPORT

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- VOLATILES -- REPORT REQUEST NO. 10647

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8021 (VOLATILES)																
Dichlorodifluoromethane	2	U	ug/kg	2	3	U	ug/kg	3	2	U	ug/kg	2	2	U	ug/kg	2
Chloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Vinyl chloride	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromomethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Trichlorofluoromethane	2	U	ug/kg	2	3	U	ug/kg	3	2	U	ug/kg	2	2	U	ug/kg	2
1,1-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Methylene chloride	18		ug/kg	6	22		ug/kg	7	24		ug/kg	6	22		ug/kg	6
trans-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chloroform	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1,1-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Carbon tetrachloride	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Trichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloropropane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromodichloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
trans-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Tetrachloroethene	4	U	ug/kg	4	4	U	ug/kg	4	3	U	ug/kg	3	4	U	ug/kg	4
Dibromochloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromoform	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2,2-Tetrachloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,3-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,4-Dichlorobenzene	1	U	ug/kg	1	450	U	ug/kg	450	1	U	ug/kg	1	400	U	ug/kg	400
1,2-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Methyl tert-butyl ether	8	U	ug/kg	8	8	U	ug/kg	8	7	U	ug/kg	7	7	U	ug/kg	7
Benzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Toluene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Ethylbenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
m,p-Xylene	2	U	ug/kg	2	3	U	ug/kg	3	2	U	ug/kg	2	2	U	ug/kg	2
o-Xylene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- VOLATILES -- REPORT REQUEST NO. 10647

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8021 (VOLATILES)																
Dichlorodifluoromethane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
Chloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Vinyl chloride	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromomethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Trichlorofluoromethane	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
1,1-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Methylene chloride	20		ug/kg	6	17		ug/kg	5	20		ug/kg	5	43		ug/kg	6
trans-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1.4	J	ug/kg	1
cis-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chloroform	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	J	ug/kg	1
1,1,1-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Carbon tetrachloride	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Trichloroethene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloropropane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromodichloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
trans-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Tetrachloroethene	4	U	ug/kg	4	3	U	ug/kg	3	3	U	ug/kg	3	3	U	ug/kg	3
Dibromochloromethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Bromoform	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2,2-Tetrachloroethane	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,3-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,4-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	5.8		ug/kg	1
1,2-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	360	U	ug/kg	360	4.3		ug/kg	1
Methyl tert-butyl ether	8	U	ug/kg	8	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Benzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Toluene	1	U	ug/kg	1	1	U	ug/kg	1	1.4	J	ug/kg	1	2.9		ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Ethylbenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
m,p-Xylene	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2	2	U	ug/kg	2
o-Xylene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- VOLATILES -- REPORT REQUEST NO. 10647

Lab Sample Number:	JR461724				JR461725			
Site	BRAC				BRAC			
Locator	90S03301				90S03401			
Collect Date:	12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8021 (VOLATILES)								
Dichlorodifluoromethane	2	U	ug/kg	2	2	U	ug/kg	2
Chloromethane	1	U	ug/kg	1	1	U	ug/kg	1
Vinyl chloride	1	U	ug/kg	1	1	U	ug/kg	1
Bromomethane	1	U	ug/kg	1	1	U	ug/kg	1
Chloroethane	1	U	ug/kg	1	1	U	ug/kg	1
Trichlorofluoromethane	2	U	ug/kg	2	2	U	ug/kg	2
1,1-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
Methylene chloride	30		ug/kg	6	26		ug/kg	5
trans-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
1,1-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
Chloroform	1	U	ug/kg	1	1	U	ug/kg	1
1,1,1-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
Carbon tetrachloride	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
Trichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloropropane	1	U	ug/kg	1	1	U	ug/kg	1
Bromodichloromethane	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1
trans-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
Tetrachloroethene	3	U	ug/kg	3	3	U	ug/kg	3
Dibromochloromethane	1	U	ug/kg	1	1	U	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
Bromoform	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2,2-Tetrachloroethane	1	U	ug/kg	1	1	U	ug/kg	1
1,3-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
1,4-Dichlorobenzene	380	U	ug/kg	380	1	U	ug/kg	1
1,2-Dichlorobenzene	1	U	ug/kg	1	360	U	ug/kg	360
Methyl tert-butyl ether	7	U	ug/kg	7	6	U	ug/kg	6
Benzene	1	U	ug/kg	1	1	U	ug/kg	1
Toluene	1	U	ug/kg	1	2.1	J	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
Ethylbenzene	1	U	ug/kg	1	1	U	ug/kg	1
m,p-Xylene	2	U	ug/kg	2	2	U	ug/kg	2
o-Xylene	1	U	ug/kg	1	1	U	ug/kg	1

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR46176			JR46177			JR46178			JR46179		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S02001			90S02101			90S02201			90S02301		
Collect Date:	12-DEC-98			12-DEC-98			12-DEC-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
EPA METHOD 8270 - SEMVOLATILES												
Acenaphthene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Acenaphthylene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Anthracene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzo (a) anthracene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzo (b) fluoranthene	420	ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzo (k) fluoranthene	410	ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzo (g,h,i) perylene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzo (a) pyrene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Benzylbutylphthalate	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
bis (2-chloroethoxy) methane	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
bis (2-chloroethyl) ether	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
bis (2-chloroisopropyl) ether	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
bis (2-ethylhexyl) phthalate	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
4-Bromophenylphenyl ether	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
2-Chloronaphthalene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
4-Chlorophenyl-phenylether	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Chrysene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Dibenzo (a,h) anthracene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
1,2-Dichlorobenzene	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1
1,3-Dichlorobenzene	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1
1,4-Dichlorobenzene	1	U ug/kg	1	450	U ug/kg	450	1	U ug/kg	1	400	U ug/kg	400
3,3'-Dichlorobenzidine	820	U ug/kg	820	890	U ug/kg	890	7400	U ug/kg	7400	800	U ug/kg	800
Dimethyl phthalate	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Diethyl phthalate	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Di-n-octyl phthalate	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
2,4-Dinitrotoluene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
2,6-Dinitrotoluene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Fluoranthene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Fluorene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Hexachlorobenzene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Hexachlorobutadiene	1	U ug/kg	1	1	U ug/kg	1	3700	U ug/kg	3700	1	U ug/kg	1
Hexachlorocyclopentadiene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Hexachloroethane	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Indeno (1,2,3-cd) pyrene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Isophorone	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
1-Methylnaphthalene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
2-Methylnaphthalene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Naphthalene	410	U ug/kg	410	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1
Nitrobenzene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
N-Nitrosodi-n-propylamine	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
N-Nitrosodiphenylamine	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Phenanthrene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Pyrene	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
1,2,4-Trichlorobenzene	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1	1	U ug/kg	1
4-Chloroaniline	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
2-Nitroaniline	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
3-Nitroaniline	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
4-Nitroaniline	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
Dibenzofuran	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400
4-Chloro-3-methylphenol	410	U ug/kg	410	450	U ug/kg	450	3700	U ug/kg	3700	400	U ug/kg	400

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
2-Chlorophenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2,4-Dichlorophenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2,4-Dimethylphenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2,4-Dinitrophenol	2100	U	ug/kg	2100	2200	U	ug/kg	2200	18000	U	ug/kg	18000	2000	U	ug/kg	2000
2-Methyl-4,6-dinitrophenol	1200	U	ug/kg	1200	1300	U	ug/kg	1300	11000	U	ug/kg	11000	1200	U	ug/kg	1200
2-Nitrophenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
4-Nitrophenol	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	400	U	ug/kg	400
Pentachlorophenol	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Phenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2,4,6-Trichlorophenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2-Methylphenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
3- & 4-Methylphenol (2)	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
2,4,5-Trichlorophenol	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	400	U	ug/kg	400
Pyridine	410	U	ug/kg	410	450	U	ug/kg	450	3700	U	ug/kg	3700	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 -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8270 - SEMVOLATILES																
Acenaphthene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Acenaphthylene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Anthracene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzo (a) anthracene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzo (b) fluoranthene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzo (k) fluoranthene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzo (g,h,i) perylene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzo (a) pyrene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Benzylbutylphthalate	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
bis (2-chloroethoxy) methane	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
bis (2-chloroethyl) ether	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
bis (2-chloroisopropyl) ether	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
bis (2-ethylhexyl) phthalate	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
4-Bromophenylphenyl ether	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2-Chloronaphthalene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
4-Chlorophenyl-phenylether	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Chrysene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Dibenzo (a,h) anthracene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
1,2-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	360	U	ug/kg	360	4.3		ug/kg	1
1,3-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
1,4-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	5.8		ug/kg	1
3,3'-Dichlorobenzidine	8200	U	ug/kg	8200	720	U	ug/kg	720	720	U	ug/kg	720	73000	U	ug/kg	73000
Dimethyl phthalate	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Diethyl phthalate	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Di-n-octyl phthalate	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4-Dinitrotoluene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,6-Dinitrotoluene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Fluoranthene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Fluorene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Hexachlorobenzene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Hexachlorobutadiene	1	U	ug/kg	1	1	U	ug/kg	1	360	U	ug/kg	360	1	U	ug/kg	1
Hexachlorocyclopentadiene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Hexachloroethane	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Indeno (1,2,3-cd) pyrene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Isophorone	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
1-Methylnaphthalene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2-Methylnaphthalene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Naphthalene	3.2		ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1	1	U	ug/kg	1
Nitrobenzene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
N-Nitrosodi-n-propylamine	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Phenanthrene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Pyrene	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
1,2,4-Trichlorobenzene	4100	U	ug/kg	4100	360	U	ug/kg	360	1	U	ug/kg	1	37000	U	ug/kg	37000
4-Chloroaniline	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2-Nitroaniline	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
3-Nitroaniline	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
4-Nitroaniline	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Dibenzofuran	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
4-Chloro-3-methylphenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2-Chlorophenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4-Dichlorophenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4-Dimethylphenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4-Dinitrophenol	21000	U	ug/kg	21000	1800	U	ug/kg	1800	1800	U	ug/kg	1800	180000	U	ug/kg	180000
2-Methyl-4,6-dinitrophenol	12000	U	ug/kg	12000	1100	U	ug/kg	1100	1100	U	ug/kg	1100	110000	U	ug/kg	110000
2-Nitrophenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
4-Nitrophenol	4100	U	ug/kg	4100	22	U	ug/kg	22	22	U	ug/kg	22	390		ug/kg	220
Pentachlorophenol	4100	U	ug/kg	4100	22	U	ug/kg	22	22	U	ug/kg	22	26		ug/kg	22
Phenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4,6-Trichlorophenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2-Methylphenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
3- & 4-Methylphenol (2)	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
2,4,5-Trichlorophenol	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000
Pyridine	4100	U	ug/kg	4100	360	U	ug/kg	360	360	U	ug/kg	360	37000	U	ug/kg	37000

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR461724				JR461725			
Site	BRAC				BRAC			
Locator	90S03301				90S03401			
Collect Date:	12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8270 - SEMVOLATILES								
Acenaphthene	380	U	ug/kg	380	360	U	ug/kg	360
Acenaphthylene	380	U	ug/kg	380	360	U	ug/kg	360
Anthracene	380	U	ug/kg	380	360	U	ug/kg	360
Benzo (a) anthracene	380	U	ug/kg	380	360	U	ug/kg	360
Benzo (b) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360
Benzo (k) fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360
Benzo (g,h,i) perylene	380	U	ug/kg	380	360	U	ug/kg	360
Benzo (a) pyrene	380	U	ug/kg	380	360	U	ug/kg	360
Benzylbutylphthalate	380	U	ug/kg	380	360	U	ug/kg	360
bis (2-chloroethoxy) methane	380	U	ug/kg	380	360	U	ug/kg	360
bis (2-chloroethyl) ether	380	U	ug/kg	380	360	U	ug/kg	360
bis (2-chloroisopropyl) ether	380	U	ug/kg	380	360	U	ug/kg	360
bis (2-ethylhexyl) phthalate	380	U	ug/kg	380	360	U	ug/kg	360
4-Bromophenylphenyl ether	380	U	ug/kg	380	360	U	ug/kg	360
2-Chloronaphthalene	380	U	ug/kg	380	360	U	ug/kg	360
4-Chlorophenyl-phenylether	380	U	ug/kg	380	360	U	ug/kg	360
Chrysene	380	U	ug/kg	380	360	U	ug/kg	360
Dibenzo (a,h) anthracene	380	U	ug/kg	380	360	U	ug/kg	360
1,2-Dichlorobenzene	1	U	ug/kg	1	360	U	ug/kg	360
1,3-Dichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
1,4-Dichlorobenzene	380	U	ug/kg	380	1	U	ug/kg	1
3,3'-Dichlorobenzidine	770	U	ug/kg	770	720	U	ug/kg	720
Dimethyl phthalate	380	U	ug/kg	380	360	U	ug/kg	360
Diethyl phthalate	380	U	ug/kg	380	360	U	ug/kg	360
Di-n-octyl phthalate	380	U	ug/kg	380	360	U	ug/kg	360
2,4-Dinitrotoluene	380	U	ug/kg	380	360	U	ug/kg	360
2,6-Dinitrotoluene	380	U	ug/kg	380	360	U	ug/kg	360
Fluoranthene	380	U	ug/kg	380	360	U	ug/kg	360
Fluorene	380	U	ug/kg	380	360	U	ug/kg	360
Hexachlorobenzene	380	U	ug/kg	380	360	U	ug/kg	360
Hexachlorobutadiene	1	U	ug/kg	1	1	U	ug/kg	1
Hexachlorocyclopentadiene	380	U	ug/kg	380	360	U	ug/kg	360
Hexachloroethane	380	U	ug/kg	380	360	U	ug/kg	360
Indeno (1,2,3-cd) pyrene	380	U	ug/kg	380	360	U	ug/kg	360
Isophorone	380	U	ug/kg	380	360	U	ug/kg	360
1-Methylnaphthalene	380	U	ug/kg	380	360	U	ug/kg	360
2-Methylnaphthalene	380	U	ug/kg	380	360	U	ug/kg	360
Naphthalene	1	U	ug/kg	1	1	U	ug/kg	1
Nitrobenzene	380	U	ug/kg	380	360	U	ug/kg	360
N-Nitrosodi-n-propylamine	380	U	ug/kg	380	360	U	ug/kg	360

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10648

Lab Sample Number:	JR461724				JR461725			
Site	BRAC				BRAC			
Locator	90S03301				90S03401			
Collect Date:	12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	380	U	ug/kg	380	360	U	ug/kg	360
Phenanthrene	380	U	ug/kg	380	360	U	ug/kg	360
Pyrene	380	U	ug/kg	380	360	U	ug/kg	360
1,2,4-Trichlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
4-Chloroaniline	380	U	ug/kg	380	360	U	ug/kg	360
2-Nitroaniline	380	U	ug/kg	380	360	U	ug/kg	360
3-Nitroaniline	380	U	ug/kg	380	360	U	ug/kg	360
4-Nitroaniline	380	U	ug/kg	380	360	U	ug/kg	360
Dibenzofuran	380	U	ug/kg	380	360	U	ug/kg	360
4-Chloro-3-methylphenol	380	U	ug/kg	380	360	U	ug/kg	360
2-Chlorophenol	380	U	ug/kg	380	360	U	ug/kg	360
2,4-Dichlorophenol	380	U	ug/kg	380	360	U	ug/kg	360
2,4-Dimethylphenol	380	U	ug/kg	380	360	U	ug/kg	360
2,4-Dinitrophenol	1900	U	ug/kg	1900	1800	U	ug/kg	1800
2-Methyl-4,6-dinitrophenol	1200	U	ug/kg	1200	1100	U	ug/kg	1100
2-Nitrophenol	380	U	ug/kg	380	360	U	ug/kg	360
4-Nitrophenol	380	U	ug/kg	380	360	U	ug/kg	360
Pentachlorophenol	23	U	ug/kg	23	22	U	ug/kg	22
Phenol	380	U	ug/kg	380	360	U	ug/kg	360
2,4,6-Trichlorophenol	380	U	ug/kg	380	360	U	ug/kg	360
2-Methylphenol	380	U	ug/kg	380	360	U	ug/kg	360
3- & 4-Methylphenol (2)	380	U	ug/kg	380	360	U	ug/kg	360
2,4,5-Trichlorophenol	380	U	ug/kg	380	360	U	ug/kg	360
Pyridine	380	U	ug/kg	380	360	U	ug/kg	360

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10649

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8081 (PESTICIDES)																
Mirex	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
alpha-BHC	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
gamma-BHC (Lindane)	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
beta-BHC	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Heptachlor	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
delta-BHC	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Aldrin	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Heptachlor epoxide(a)	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Heptachlor epoxide(b)	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Isodrin	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Chlordane gamma	390		ug/kg	41	190		ug/kg	44	5300		ug/kg	370	100		ug/kg	40
Chlordane alpha	400		ug/kg	41	200		ug/kg	44	4400		ug/kg	370	110		ug/kg	40
Endosulfan I	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
4,4-DDE	62		ug/kg	41	4.4	U	ug/kg	4.4	37	U	ug/kg	37	23		ug/kg	4
Dieldrin	8		ug/kg	4.1	15		ug/kg	4.4	200		ug/kg	37	11		ug/kg	4
Endrin	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
4,4-DDD	61		ug/kg	41	4.4	U	ug/kg	4.4	37	U	ug/kg	37	10		ug/kg	4
Endosulfan II	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
4,4-DDT	16		ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	9.5		ug/kg	4
Endrin aldehyde	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Endosulfan sulfate	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Methoxychlor	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Endrin ketone	4.1	U	ug/kg	4.1	4.4	U	ug/kg	4.4	37	U	ug/kg	37	4	U	ug/kg	4
Chlordane (Total)	3000		ug/kg	41	1600		ug/kg	44	36000		ug/kg	370	840		ug/kg	40
Toxaphene	82	U	ug/kg	82	89	U	ug/kg	89	740	U	ug/kg	740	100		ug/kg	80
EPA METHOD 8082 (PCBS)																
Aroclor-1016/1242	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40
Aroclor-1221	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40
Aroclor-1232	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40
Aroclor-1248	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40
Aroclor-1254	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40
Aroclor-1260	41	U	ug/kg	41	44	U	ug/kg	44	370	U	ug/kg	370	40	U	ug/kg	40

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NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10649

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8081 (PESTICIDES)																
Mirex	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
alpha-BHC	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	9.2		ug/kg	3.6	37000	U	ug/kg	37000
gamma-BHC (Lindane)	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	110		ug/kg	36	37000	U	ug/kg	37000
beta-BHC	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	120		ug/kg	36	37000	U	ug/kg	37000
Heptachlor	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
delta-BHC	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.7		ug/kg	3.6	37000	U	ug/kg	37000
Aldrin	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Heptachlor epoxide(a)	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Heptachlor epoxide(b)	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Isodrin	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Chlordane gamma	51		ug/kg	4.1	3.6	U	ug/kg	3.6	15		ug/kg	3.6	37000	U	ug/kg	37000
Chlordane alpha	60		ug/kg	4.1	4		ug/kg	3.6	18		ug/kg	3.6	37000	U	ug/kg	37000
Endosulfan I	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
4,4-DDE	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	46		ug/kg	3.6	37000	U	ug/kg	37000
Dieldrin	8.5		ug/kg	4.1	3.6	U	ug/kg	3.6	6.8		ug/kg	3.6	37000	U	ug/kg	37000
Endrin	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
4,4-DDD	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	87		ug/kg	36	1400000		ug/kg	370000
Endosulfan II	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
4,4-DDT	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	1200		ug/kg	360	140000		ug/kg	37000
Endrin aldehyde	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Endosulfan sulfate	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Methoxychlor	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Endrin ketone	4.1	U	ug/kg	4.1	3.6	U	ug/kg	3.6	3.6	U	ug/kg	3.6	37000	U	ug/kg	37000
Chlordane (Total)	510		ug/kg	4.1	46		ug/kg	3.6	140		ug/kg	3.6	37000	U	ug/kg	37000
Toxaphene	82	U	ug/kg	82	72	U	ug/kg	72	72	U	ug/kg	72	8700000		ug/kg	730000
EPA METHOD 8082 (PCBS)																
Aroclor-1016/1242	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000
Aroclor-1221	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000
Aroclor-1232	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000
Aroclor-1248	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000
Aroclor-1254	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000
Aroclor-1260	41	U	ug/kg	41	36	U	ug/kg	36	36	U	ug/kg	36	370000	U	ug/kg	370000

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NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10649

Lab Sample Number:	JR461724			JR461725		
Site	BRAC			BRAC		
Locator	90S03301			90S03401		
Collect Date:	12-DEC-98			12-DEC-98		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
EPA METHOD 8081 (PESTICIDES)						
Mirex	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
alpha-BHC	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
gamma-BHC (Lindane)	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
beta-BHC	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Heptachlor	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
delta-BHC	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Aldrin	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Heptachlor epoxide(a)	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Heptachlor epoxide(b)	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Isodrin	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Chlordane gamma	20	ug/kg	3.8	52	ug/kg	3.6
Chlordane alpha	23	ug/kg	3.8	41	ug/kg	3.6
Endosulfan I	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
4,4-DDE	14	ug/kg	3.8	3.6 U	ug/kg	3.6
Dieldrin	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Endrin	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
4,4-DDD	45	ug/kg	3.8	76	ug/kg	36
Endosulfan II	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
4,4-DDT	7.4	ug/kg	3.8	13	ug/kg	3.6
Endrin aldehyde	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Endosulfan sulfate	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Methoxychlor	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Endrin ketone	3.8 U	ug/kg	3.8	3.6 U	ug/kg	3.6
Chlordane (Total)	190	ug/kg	3.8	410	ug/kg	3.6
Toxaphene	410	ug/kg	77	650	ug/kg	72
EPA METHOD 8082 (PCBS)						
Aroclor-1016/1242	38 U	ug/kg	38	36 U	ug/kg	36
Aroclor-1221	38 U	ug/kg	38	36 U	ug/kg	36
Aroclor-1232	38 U	ug/kg	38	36 U	ug/kg	36
Aroclor-1248	38 U	ug/kg	38	36 U	ug/kg	36
Aroclor-1254	38 U	ug/kg	38	36 U	ug/kg	36
Aroclor-1260	64	ug/kg	38	36 U	ug/kg	36

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- HERBICIDES -- REPORT REQUEST NO. 10650

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8151 (HERBICIDES)																
Dalapon	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
3,5-DCBA	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Dicamba	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
4-Nitrophenol	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	400	U	ug/kg	400
MCPP	1200	U	ug/kg	1200	1400	U	ug/kg	1400	1100	U	ug/kg	1100	1200	U	ug/kg	1200
MCPA	1200	U	ug/kg	1200	1400	U	ug/kg	1400	1100	U	ug/kg	1100	1200	U	ug/kg	1200
Dichloroprop	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
2,4-D	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Pentachlorophenol	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
2,4,5-TP (Silvex)	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Chloramben	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
2,4,5-T	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
2,4-DB	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Dinoseb	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Bentazon	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Picloram	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Dacthal	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24
Acifluorfen	25	U	ug/kg	25	27	U	ug/kg	27	22	U	ug/kg	22	24	U	ug/kg	24

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NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- HERBICIDES -- REPORT REQUEST NO. 10650

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8151 (HERBICIDES)																
Dalapon	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
3,5-DCBA	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	38		ug/kg	22
Dicamba	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
4-Nitrophenol	4100	U	ug/kg	4100	22	U	ug/kg	22	22	U	ug/kg	22	390		ug/kg	220
MCPP	620	U	ug/kg	620	1100	U	ug/kg	1100	1100	U	ug/kg	1100	33000		ug/kg	11000
MCPA	620	U	ug/kg	620	1100	U	ug/kg	1100	1100	U	ug/kg	1100	47000		ug/kg	11000
Dichloroprop	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	220	U	ug/kg	220
2,4-D	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	47		ug/kg	22
Pentachlorophenol	4100	U	ug/kg	4100	22	U	ug/kg	22	22	U	ug/kg	22	26		ug/kg	22
2,4,5-TP (Silvex)	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	80		ug/kg	22
Chloramben	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	220	U	ug/kg	220
2,4,5-T	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
2,4-DB	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Dinoseb	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Bentazon	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Picloram	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Dacthal	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Acifluorfen	12	U	ug/kg	12	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22

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NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- HERBICIDES -- REPORT REQUEST NO. 10650

Lab Sample Number:	JR461724				JR461725			
Site	BRAC				BRAC			
Locator	90S03301				90S03401			
Collect Date:	12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8151 (HERBICIDES)								
Dalapon	23	U	ug/kg	23	22	U	ug/kg	22
3,5-DCBA	23	U	ug/kg	23	22	U	ug/kg	22
Dicamba	23	U	ug/kg	23	22	U	ug/kg	22
4-Nitrophenol	380	U	ug/kg	380	360	U	ug/kg	360
MCPP	1200	U	ug/kg	1200	1100	U	ug/kg	1100
MCPA	1200	U	ug/kg	1200	1100	U	ug/kg	1100
Dichloroprop	23	U	ug/kg	23	22	U	ug/kg	22
2,4-D	23	U	ug/kg	23	22	U	ug/kg	22
Pentachlorophenol	23	U	ug/kg	23	22	U	ug/kg	22
2,4,5-TP (Silvex)	23	U	ug/kg	23	22	U	ug/kg	22
Chloramben	23	U	ug/kg	23	22	U	ug/kg	22
2,4,5-T	23	U	ug/kg	23	22	U	ug/kg	22
2,4-DB	23	U	ug/kg	23	22	U	ug/kg	22
Dinoseb	23	U	ug/kg	23	22	U	ug/kg	22
Bentazon	23	U	ug/kg	23	22	U	ug/kg	22
Picloram	23	U	ug/kg	23	22	U	ug/kg	22
Dacthal	460		ug/kg	23	22	U	ug/kg	22
Acifluorfen	23	U	ug/kg	23	22	U	ug/kg	22

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- ORGANOPHOSPHORUS PESTICIDES -- REPORT REQUEST NO. 10651

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
EPA METHOD 8141 (PESTICIDES)																
Azinphos methyl	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Bolstar (Sulprofos)	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Chlorpyrifos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Coumaphos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Demeton	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Diazinon	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	44		ug/kg	40
Dichlorvos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Dimethoate	41	U	ug/kg	41	44	U	ug/kg	44	37	U	ug/kg	37	40	U	ug/kg	40
Disulfoton	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	87		ug/kg	40
EPN	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Ethion	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Ethoprop	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Fensulfothion	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Fenthion	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Malathion	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Merphos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Mevinphos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Monocrotophos	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Naled	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Parathion ethyl	41	U	ug/kg	41	44	U	ug/kg	44	37	U	ug/kg	37	40	U	ug/kg	40
Phorate	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Ronnel	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Sulfotep	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
TEPP	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Stirophos (Tetrachlorovinphos)	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Tokuthion (Protothiofos)	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	40	U	ug/kg	40
Trichloronate	42	U	ug/kg	42	45	U	ug/kg	45	37	U	ug/kg	37	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 -- AREA OF INTEREST 21
SURFACE SOIL -- ORGANOPHOSPHORUS PESTICIDES -- REPORT REQUEST NO. 10651

Lab Sample Number:	JR46174			JR46175			JR461722			JR461723		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S02401			90S02501			90S03101			90S03201		
Collect Date:	12-DEC-98			12-DEC-98			12-DEC-98			12-DEC-98		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
EPA METHOD 8141 (PESTICIDES)												
Azinphos methyl	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Bolstar (Sulprofos)	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Chlorpyrifos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Coumaphos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Demeton	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Diazinon	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Dichlorvos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Dimethoate	41 U	ug/kg	41	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Disulfoton	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
EPN	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Ethion	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Ethoprop	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Fensulfothion	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Fenthion	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Malathion	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Merphos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Mevinphos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Monocrotophos	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Naled	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Parathion ethyl	41 U	ug/kg	41	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Phorate	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Ronnel	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Sulfotep	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
TEPP	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Stirophos (Tetrachlorovinphos)	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Tokuthion (Protothiofos)	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	37 U	ug/kg	37
Trichloronate	42 U	ug/kg	42	36 U	ug/kg	36	36 U	ug/kg	36	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 -- AREA OF INTEREST 21
SURFACE SOIL -- ORGANOPHOSPHORUS PESTICIDES -- REPORT REQUEST NO. 10651

Lab Sample Number:	JR461724			JR461725		
Site	BRAC			BRAC		
Locator	90S03301			90S03401		
Collect Date:	12-DEC-98			12-DEC-98		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
EPA METHOD 8141 (PESTICIDES)						
Azinphos methyl	39 U	ug/kg	39	36 U	ug/kg	36
Bolstar (Sulprofos)	39 U	ug/kg	39	36 U	ug/kg	36
Chlorpyrifos	39 U	ug/kg	39	36 U	ug/kg	36
Coumaphos	39 U	ug/kg	39	36 U	ug/kg	36
Demeton	39 U	ug/kg	39	36 U	ug/kg	36
Diazinon	39 U	ug/kg	39	36 U	ug/kg	36
Dichlorvos	39 U	ug/kg	39	36 U	ug/kg	36
Dimethoate	38 U	ug/kg	38	36 U	ug/kg	36
Disulfoton	39 U	ug/kg	39	36 U	ug/kg	36
EPN	39 U	ug/kg	39	36 U	ug/kg	36
Ethion	39 U	ug/kg	39	36 U	ug/kg	36
Ethoprop	39 U	ug/kg	39	36 U	ug/kg	36
Fensulfothion	39 U	ug/kg	39	36 U	ug/kg	36
Fenthion	39 U	ug/kg	39	36 U	ug/kg	36
Malathion	39 U	ug/kg	39	36 U	ug/kg	36
Merphos	39 U	ug/kg	39	36 U	ug/kg	36
Mevinphos	39 U	ug/kg	39	36 U	ug/kg	36
Monocrotophos	39 U	ug/kg	39	36 U	ug/kg	36
Naled	39 U	ug/kg	39	36 U	ug/kg	36
Parathion ethyl	38 U	ug/kg	38	36 U	ug/kg	36
Phorate	39 U	ug/kg	39	36 U	ug/kg	36
Ronnel	39 U	ug/kg	39	36 U	ug/kg	36
Sulfotep	39 U	ug/kg	39	36 U	ug/kg	36
TEPP	39 U	ug/kg	39	36 U	ug/kg	36
Stirophos (Tetrachlorovinphos)	39 U	ug/kg	39	36 U	ug/kg	36
Tokuthion (Protothiofos)	39 U	ug/kg	39	36 U	ug/kg	36
Trichloronate	39 U	ug/kg	39	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 -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR46176				JR46177				JR46178				JR46179			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02001				90S02101				90S02201				90S02301			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3500		mg/kg	50	2200		mg/kg	54	1100		mg/kg	45	1200		mg/kg	48
Antimony	2	U	mg/kg	2	3	U	mg/kg	3	2	U	mg/kg	2	2	U	mg/kg	2
Arsenic	5.6		mg/kg	.6	3.2		mg/kg	.7	4.3		mg/kg	.6	1.1	J	mg/kg	.6
Barium	25	U	mg/kg	25	27	U	mg/kg	27	22	U	mg/kg	22	24	U	mg/kg	24
Beryllium	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Cadmium	1	U	mg/kg	1	1	U	mg/kg	1	1.6		mg/kg	1	1	U	mg/kg	1
Calcium	7500		mg/kg	31	13000		mg/kg	34	100000		mg/kg	2800	6400		mg/kg	30
Chromium	8.6		mg/kg	1	20		mg/kg	1	9.9		mg/kg	1	5.5		mg/kg	1
Cobalt	6	U	mg/kg	6	7	U	mg/kg	7	6	U	mg/kg	6	6	U	mg/kg	6
Copper	9.6		mg/kg	6	19		mg/kg	7	15		mg/kg	6	8		mg/kg	6
Iron	960		mg/kg	12	1300		mg/kg	14	930		mg/kg	11	520		mg/kg	12
Lead	12		mg/kg	1	20		mg/kg	1	12		mg/kg	1	6.1		mg/kg	1
Magnesium	200		mg/kg	31	400		mg/kg	34	13000		mg/kg	2800	170		mg/kg	30
Manganese	24		mg/kg	1	55		mg/kg	1	58		mg/kg	1	16		mg/kg	1
Mercury	.09		mg/kg	.01	.088		mg/kg	.01	3.5		mg/kg	.01	.14		mg/kg	.01
Nickel	6	U	mg/kg	6	7	U	mg/kg	7	6	U	mg/kg	6	6	U	mg/kg	6
Potassium	95		mg/kg	31	99		mg/kg	34	67		mg/kg	28	52		mg/kg	30
Selenium	2	U	mg/kg	2	3	U	mg/kg	3	2	U	mg/kg	2	2	U	mg/kg	2
Silver	2	U	mg/kg	2	3	U	mg/kg	3	2	U	mg/kg	2	2	U	mg/kg	2
Sodium	31	U	mg/kg	31	34	U	mg/kg	34	28	U	mg/kg	28	30	U	mg/kg	30
Thallium	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Vanadium	2.2		mg/kg	1	3		mg/kg	1	3.7		mg/kg	1	1		mg/kg	1
Zinc	36		mg/kg	6	78		mg/kg	7	27		mg/kg	6	24		mg/kg	6
Cyanide	-				-				-				-			

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR46174				JR46175				JR461722				JR461723			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S02401				90S02501				90S03101				90S03201			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	2400		mg/kg	50	890		mg/kg	43	300		mg/kg	22	760		mg/kg	22
Antimony	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2
Arsenic	69		mg/kg	.6	1.3	J	mg/kg	.5	.5	U	mg/kg	.5	30		mg/kg	.6
Barium	25	U	mg/kg	25	22	U	mg/kg	22	22	U	mg/kg	22	22	U	mg/kg	22
Beryllium	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Cadmium	2.8		mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Calcium	8600		mg/kg	31	27	U	mg/kg	27	1600		mg/kg	27	17000		mg/kg	28
Chromium	30		mg/kg	1	3.6		mg/kg	1	1	U	mg/kg	1	3.9		mg/kg	1
Cobalt	6	U	mg/kg	6	5	U	mg/kg	5	5	U	mg/kg	5	6	U	mg/kg	6
Copper	14		mg/kg	6	5	U	mg/kg	5	5	U	mg/kg	5	6	U	mg/kg	6
Iron	5100		mg/kg	12	400		mg/kg	11	100		mg/kg	11	470		mg/kg	11
Lead	66		mg/kg	1	7		mg/kg	1	1.4		mg/kg	1	18		mg/kg	1
Magnesium	150		mg/kg	31	470		mg/kg	27	27	U	mg/kg	27	130		mg/kg	28
Manganese	40		mg/kg	1	12		mg/kg	1	1.5		mg/kg	1	18		mg/kg	1
Mercury	.14		mg/kg	.01	.074		mg/kg	.01	.01	U	mg/kg	.01	.027		mg/kg	.01
Nickel	6.9		mg/kg	6	5	U	mg/kg	5	5	U	mg/kg	5	6	U	mg/kg	6
Potassium	58		mg/kg	31	27	U	mg/kg	27	27	U	mg/kg	27	28	U	mg/kg	28
Selenium	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2
Silver	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2	2	U	mg/kg	2
Sodium	31	U	mg/kg	31	27	U	mg/kg	27	27	U	mg/kg	27	28	U	mg/kg	28
Thallium	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Vanadium	3.1		mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Zinc	910		mg/kg	6	52		mg/kg	5	5	U	mg/kg	5	24		mg/kg	6
Cyanide	-				-				-				-			

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR461724				JR461725			
Site	BRAC				BRAC			
Locator	90S03301				90S03401			
Collect Date:	12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE								
Aluminum	480		mg/kg	23	240		mg/kg	22
Antimony	2	U	mg/kg	2	2	U	mg/kg	2
Arsenic	2.2		mg/kg	.6	3	J	mg/kg	1
Barium	23	U	mg/kg	23	22	U	mg/kg	22
Beryllium	1	U	mg/kg	1	1	U	mg/kg	1
Cadmium	1	U	mg/kg	1	1	U	mg/kg	1
Calcium	29	U	mg/kg	29	2300		mg/kg	27
Chromium	1.7		mg/kg	1	1.3		mg/kg	1
Cobalt	6	U	mg/kg	6	5	U	mg/kg	5
Copper	6	U	mg/kg	6	5	U	mg/kg	5
Iron	440		mg/kg	12	150		mg/kg	11
Lead	10		mg/kg	1	4		mg/kg	1
Magnesium	190		mg/kg	29	27	U	mg/kg	27
Manganese	7.8		mg/kg	1	6		mg/kg	1
Mercury	.016	J	mg/kg	.01	.036		mg/kg	.01
Nickel	6	U	mg/kg	6	5	U	mg/kg	5
Potassium	29	U	mg/kg	29	27	U	mg/kg	27
Selenium	2	U	mg/kg	2	4	U	mg/kg	4
Silver	2	U	mg/kg	2	2	U	mg/kg	2
Sodium	29	U	mg/kg	29	27	U	mg/kg	27
Thallium	1	U	mg/kg	1	2	U	mg/kg	2
Vanadium	1	U	mg/kg	1	1	U	mg/kg	1
Zinc	21		mg/kg	6	11		mg/kg	5
Cyanide	-				-			

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR46176			JR46177			JR46178			JR46179		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S02001			90S02101			90S02201			90S02301		
Collect Date:	12-DEC-98			12-DEC-98			12-DEC-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
FLA PRO												
TPH C8-C40	62	mg/kg	8.2	76	mg/kg	8.9	680	mg/kg	74	100	mg/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 -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR46174			JR46175			JR461722			JR461723		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S02401			90S02501			90S03101			90S03201		
Collect Date:	12-DEC-98			12-DEC-98			12-DEC-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
FLA PRO												
TPH C8-C40	1900	mg/kg	8.2	37	mg/kg	7.2	25	mg/kg	7.2	3600	mg/kg	150

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10652

Lab Sample Number:	JR461724			JR461725		
Site	BRAC			BRAC		
Locator	90S03301			90S03401		
Collect Date:	12-DEC-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
FLA PRO						
TPH C8-C40	130	mg/kg	7.7	120	mg/kg	7.2

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

NAS CECIL FIELD -- [illegible] OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR29712			JR29711			JR29713			JR29714		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S00101			90S00201			90S00301			90S00401		
Collect Date:	28-AUG-98			28-AUG-98			28-AUG-98			28-AUG-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Arsenic	1.2 J	mg/kg	.6	47	mg/kg	.6	16	mg/kg	1.1	21	mg/kg	.9

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR29695			JR29693			JR29692			JR29696		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S00501			90S00601			90S00701			90S01001		
Collect Date:	28-AUG-98			28-AUG-98			28-AUG-98			28-AUG-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Arsenic	2.2	mg/kg	.7	1.6 J	mg/kg	.7	.9 J	mg/kg	.6	7.4	mg/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 -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR29694			JR29691			JR29697			JR461710		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S01101			90S01201			90S01301			90S01401		
Collect Date:	28-AUG-98			28-AUG-98			28-AUG-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Arsenic	3.5	mg/kg	.5	5.4	mg/kg	.5	.9 J	mg/kg	.7	15	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 -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR461711			JR461712			JR461713			JR461714		
Site	BRAC			BRAC			BRAC			BRAC		
Locator	90S01402			90S01501			90S01502			90S01601		
Collect Date:	12-DEC-98			12-DEC-98			12-DEC-98			12-DEC-98		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Arsenic	62	mg/kg	.6	1 J	mg/kg	.5	7.3	mg/kg	.6	.9 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 -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR461715				JR461716				JR461717				JR461718			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S01602				90S01701				90S01702				90S01801			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Arsenic	.6	U	mg/kg	.6	.5	U	mg/kg	.5	.6	U	mg/kg	.6	.9	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 -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:	JR461719				JR461720				JR461721				JR46172			
Site	BRAC				BRAC				BRAC				BRAC			
Locator	90S01802				90S01901				90S01902				90S02601			
Collect Date:	12-DEC-98				12-DEC-98				12-DEC-98				12-DEC-98			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Arsenic	.8	J	mg/kg	.6	.5	U	mg/kg	.5	.7	J	mg/kg	.6	9.3		mg/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 -- AREA OF INTEREST 21
SURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10646

Lab Sample Number:		JR46173		
Site		BRAC		
Locator		90S02701		
Collect Date:		12-DEC-98		
	VALUE	QUAL UNITS		DL
Arsenic	1.8	J mg/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 -- [illegible] OF INTEREST 21
SUBSURFACE SOIL -- VOLATILES -- REPORT REQUEST NO. 10655

Lab Sample Number:	20046003				20046004				20046006				20046009			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-A-1-1				BOR-A-2-1				BOR-A-3-1				BOR-A-5-1			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW																
Chloromethane	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
Bromomethane	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
Vinyl chloride	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
Chloroethane	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
Methylene chloride	170	UJ	ug/kg	6	740		ug/kg	21	18	U	ug/kg	6	170		ug/kg	7
Acetone	22	UJ	ug/kg	13	42	U	ug/kg	42	110	U	ug/kg	11	14	U	ug/kg	14
Carbon disulfide	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethene (total)	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Chloroform	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
2-Butanone	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
1,1,1-Trichloroethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Carbon tetrachloride	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Bromodichloromethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloropropane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
cis-1,3-Dichloropropene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Trichloroethene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Dibromochloromethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2-Trichloroethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Benzene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
trans-1,3-Dichloropropene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Bromoform	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
4-Methyl-2-pentanone	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
2-Hexanone	13	UJ	ug/kg	13	42	U	ug/kg	42	11	U	ug/kg	11	14	U	ug/kg	14
Tetrachloroethene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Toluene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Chlorobenzene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Ethylbenzene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Styrene	6	UJ	ug/kg	6	21	U	ug/kg	21	6	U	ug/kg	6	7	U	ug/kg	7
Xylenes (total)	6	UJ	ug/kg	6	21	U	ug/kg	21	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 -- AREA OF INTEREST 21
SUBSURFACE SOIL -- VOLATILES -- REPORT REQUEST NO. 10655

Lab Sample Number:	20046010
Site	CECIL
Locator	BOR-A-6-1
Collect Date:	05-NOV-91

	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	13	U	ug/kg	13
Bromomethane	13	U	ug/kg	13
Vinyl chloride	13	U	ug/kg	13
Chloroethane	13	U	ug/kg	13
Methylene chloride	40	U	ug/kg	6
Acetone	84	U	ug/kg	13
Carbon disulfide	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6
2-Butanone	13	U	ug/kg	13
1,1,1-Trichloroethane	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6
Benzene	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6
4-Methyl-2-pentanone	74		ug/kg	13
2-Hexanone	13	U	ug/kg	13
Tetrachloroethene	6	U	ug/kg	6
Toluene	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6
Styrene	6	U	ug/kg	6
Xylenes (total)	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 -- AREA OF INTEREST 21
SUBSURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10656

Lab Sample Number:	20046003			20046004			20046006			20046009		
Site	CECIL			CECIL			CECIL			CECIL		
Locator	BOR-A-1-1			BOR-A-2-1			BOR-A-3-1			BOR-A-5-1		
Collect Date:	05-NOV-91			05-NOV-91			05-NOV-91			05-NOV-91		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
bis(2-Chloroethyl) ether	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2-Chlorophenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
1,3-Dichlorobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
1,4-Dichlorobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
1,2-Dichlorobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2-Methylphenol	460 U	ug/kg	460	470 U	ug/kg	470	110 J	ug/kg	400	460 U	ug/kg	460
2,2-oxybis(1-Chloropropane)	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Methylphenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
N-Nitroso-di-n-propylamine	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Hexachloroethane	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Nitrobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Isophorone	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2-Nitrophenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4-Dimethylphenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
bis(2-Chloroethoxy) methane	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4-Dichlorophenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
1,2,4-Trichlorobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Naphthalene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Chloroaniline	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Hexachlorobutadiene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Chloro-3-methylphenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2-Methylnaphthalene	460 U	ug/kg	460	470 UJ	ug/kg	470	400 UJ	ug/kg	400	460 UJ	ug/kg	460
Hexachlorocyclopentadiene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4,6-Trichlorophenol	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4,5-Trichlorophenol	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
2-Chloronaphthalene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2-Nitroaniline	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
Dimethylphthalate	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Acenaphthylene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,6-Dinitrotoluene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
3-Nitroaniline	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
Acenaphthene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4-Dinitrophenol	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
4-Nitrophenol	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
Dibenzofuran	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
2,4-Dinitrotoluene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Diethylphthalate	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Chlorophenyl-phenylether	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Fluorene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Nitroaniline	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
4,6-Dinitro-2-methylphenol	2300 U	ug/kg	2300	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
N-Nitrosodiphenylamine	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
4-Bromophenyl-phenylether	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Hexachlorobenzene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Pentachlorophenol	100 J	ug/kg	460	2300 U	ug/kg	2300	2000 U	ug/kg	2000	2300 U	ug/kg	2300
Phenanthrene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Anthracene	460 U	ug/kg	460	470 U	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460
Carbazole	-			-			-			-		
Di-n-butylphthalate	80 J	ug/kg	460	82 J	ug/kg	470	400 U	ug/kg	400	460 U	ug/kg	460

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10656

Lab Sample Number:	20046003				20046004				20046006				20046009			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-A-1-1				BOR-A-2-1				BOR-A-3-1				BOR-A-5-1			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW																
Phenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
bis(2-Chloroethyl) ether	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2-Chlorophenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
1,3-Dichlorobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
1,4-Dichlorobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
1,2-Dichlorobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2-Methylphenol	460	U	ug/kg	460	470	U	ug/kg	470	110	J	ug/kg	400	460	U	ug/kg	460
2,2-oxybis(1-Chloropropane)	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Methylphenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
N-Nitroso-di-n-propylamine	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Hexachloroethane	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Nitrobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Isophorone	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2-Nitrophenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4-Dimethylphenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
bis(2-Chloroethoxy) methane	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4-Dichlorophenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
1,2,4-Trichlorobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Naphthalene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Chloroaniline	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Hexachlorobutadiene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Chloro-3-methylphenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2-Methylnaphthalene	460	U	ug/kg	460	470	UJ	ug/kg	470	400	UJ	ug/kg	400	460	UJ	ug/kg	460
Hexachlorocyclopentadiene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4,6-Trichlorophenol	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4,5-Trichlorophenol	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
2-Chloronaphthalene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2-Nitroaniline	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
Dimethylphthalate	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Acenaphthylene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,6-Dinitrotoluene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
3-Nitroaniline	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
Acenaphthene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4-Dinitrophenol	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
4-Nitrophenol	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
Dibenzofuran	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
2,4-Dinitrotoluene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Diethylphthalate	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Chlorophenyl-phenylether	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Fluorene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Nitroaniline	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
4,6-Dinitro-2-methylphenol	2300	U	ug/kg	2300	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
N-Nitrosodiphenylamine	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
4-Bromophenyl-phenylether	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Hexachlorobenzene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Pentachlorophenol	100	J	ug/kg	460	2300	U	ug/kg	2300	2000	U	ug/kg	2000	2300	U	ug/kg	2300
Phenanthrene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Anthracene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Carbazole	-				-				-				-			
Di-n-butylphthalate	80	J	ug/kg	460	82	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10656

Lab Sample Number:	20046003				20046004				20046006				20046009			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-A-1-1				BOR-A-2-1				BOR-A-3-1				BOR-A-5-1			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Pyrene	100	J	ug/kg	460	64	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Butylbenzylphthalate	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
3,3-Dichlorobenzidine	930	U	ug/kg	930	940	U	ug/kg	940	810	U	ug/kg	810	930	U	ug/kg	930
Benzo (a) anthracene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Chrysene	81	J	ug/kg	460	81	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
bis(2-Ethylhexyl) phthalate	140	J	ug/kg	460	110	J	ug/kg	470	400	U	ug/kg	400	83	J	ug/kg	460
Di-n-octylphthalate	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Benzo (b) fluoranthene	140	J	ug/kg	460	120	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Benzo (k) fluoranthene	110	J	ug/kg	460	87	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Benzo (a) pyrene	460	U	ug/kg	460	67	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Indeno (1,2,3-cd) pyrene	460	U	ug/kg	460	55	J	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Dibenzo (a,h) anthracene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460
Benzo (g,h,i) perylene	460	U	ug/kg	460	470	U	ug/kg	470	400	U	ug/kg	400	460	U	ug/kg	460

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10656

Lab Sample Number:	20046010
Site	CECIL
Locator	BOR-A-6-1
Collect Date:	05-NOV-91

	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW				
Phenol	400	U	ug/kg	400
bis(2-Chloroethyl) ether	400	U	ug/kg	400
2-Chlorophenol	400	U	ug/kg	400
1,3-Dichlorobenzene	400	U	ug/kg	400
1,4-Dichlorobenzene	400	U	ug/kg	400
1,2-Dichlorobenzene	400	U	ug/kg	400
2-Methylphenol	400	U	ug/kg	400
2,2-oxybis(1-Chloropropane)	400	U	ug/kg	400
4-Methylphenol	400	U	ug/kg	400
N-Nitroso-di-n-propylamine	400	U	ug/kg	400
Hexachloroethane	400	U	ug/kg	400
Nitrobenzene	400	U	ug/kg	400
Isophorone	400	U	ug/kg	400
2-Nitrophenol	400	U	ug/kg	400
2,4-Dimethylphenol	400	U	ug/kg	400
bis(2-Chloroethoxy) methane	400	U	ug/kg	400
2,4-Dichlorophenol	400	U	ug/kg	400
1,2,4-Trichlorobenzene	400	U	ug/kg	400
Naphthalene	400	U	ug/kg	400
4-Chloroaniline	400	U	ug/kg	400
Hexachlorobutadiene	400	U	ug/kg	400
4-Chloro-3-methylphenol	400	U	ug/kg	400
2-Methylnaphthalene	400	U	ug/kg	400
Hexachlorocyclopentadiene	400	U	ug/kg	400
2,4,6-Trichlorophenol	400	U	ug/kg	400
2,4,5-Trichlorophenol	2000	U	ug/kg	2000
2-Chloronaphthalene	400	U	ug/kg	400
2-Nitroaniline	2000	U	ug/kg	2000
Dimethylphthalate	400	U	ug/kg	400
Acenaphthylene	400	U	ug/kg	400
2,6-Dinitrotoluene	400	U	ug/kg	400
3-Nitroaniline	2000	UJ	ug/kg	2000
Acenaphthene	400	U	ug/kg	400
2,4-Dinitrophenol	2000	U	ug/kg	2000
4-Nitrophenol	2000	U	ug/kg	2000
Dibenzofuran	400	U	ug/kg	400
2,4-Dinitrotoluene	400	U	ug/kg	400
Diethylphthalate	400	U	ug/kg	400
4-Chlorophenyl-phenylether	400	U	ug/kg	400
Fluorene	400	U	ug/kg	400

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- SEMIVOLATILES -- REPORT REQUEST NO. 10656

Lab Sample Number:	20046010
Site	CECIL
Locator	BOR-A-6-1
Collect Date:	05-NOV-91

	VALUE	QUAL	UNITS	DL
4-Nitroaniline	2000	UJ	ug/kg	2000
4,6-Dinitro-2-methylphenol	2000	U	ug/kg	2000
N-Nitrosodiphenylamine	400	U	ug/kg	400
4-Bromophenyl-phenylether	400	U	ug/kg	400
Hexachlorobenzene	400	U	ug/kg	400
Pentachlorophenol	2000	U	ug/kg	2000
Phenanthrene	400	U	ug/kg	400
Anthracene	400	U	ug/kg	400
Carbazole	-			
Di-n-butylphthalate	400	U	ug/kg	400
Fluoranthene	400	U	ug/kg	400
Pyrene	400	U	ug/kg	400
Butylbenzylphthalate	400	U	ug/kg	400
3,3-Dichlorobenzidine	810	U	ug/kg	810
Benzo (a) anthracene	400	U	ug/kg	400
Chrysene	400	U	ug/kg	400
bis(2-Ethylhexyl) phthalate	160	J	ug/kg	400
Di-n-octylphthalate	400	U	ug/kg	400
Benzo (b) fluoranthene	98	J	ug/kg	400
Benzo (k) fluoranthene	95	J	ug/kg	400
Benzo (a) pyrene	82	J	ug/kg	400
Indeno (1,2,3-cd) pyrene	400	U	ug/kg	400
Dibenzo (a,h) anthracene	400	U	ug/kg	400
Benzo (g,h,i) perylene	400	U	ug/kg	400

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10657

Lab Sample Number:	20046003				20046003DL				20046004				20046006			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-A-1-1				BOR-A-1-1				BOR-A-2-1				BOR-A-3-1			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW																
alpha-BHC	56	U	ug/kg	56	140	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
beta-BHC	56	U	ug/kg	56	280	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
delta-BHC	56	U	ug/kg	56	280	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
gamma-BHC (Lindane)	56	U	ug/kg	56	190	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
Heptachlor	56	U	ug/kg	56	140	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
Aldrin	56	U	ug/kg	56	190	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
Heptachlor epoxide	58	J	ug/kg	56	280	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
Endosulfan I	56	U	ug/kg	56	280	R	ug/kg		11	U	ug/kg	11	24	U	ug/kg	24
Dieldrin	7.3	J	ug/kg	110	92	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
4,4-DDE	30	J	ug/kg	110	190	R	ug/kg		7	J	ug/kg	23	5.2	J	ug/kg	49
Endrin	110	U	ug/kg	110	280	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
Endosulfan II	110	U	ug/kg	110	190	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
4,4-DDD	110	U	ug/kg	110	520	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
Endosulfan sulfate	110	U	ug/kg	110	560	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
4,4-DDT	110	U	ug/kg	110	560	R	ug/kg		9.7	J	ug/kg	23	49	U	ug/kg	49
Methoxychlor	560	U	ug/kg	560	1100	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Endrin ketone	110	U	ug/kg	110	560	R	ug/kg		23	U	ug/kg	23	49	U	ug/kg	49
Endrin aldehyde	-				-				-				-			
alpha-Chlordane	530	J	ug/kg	560	460	R	ug/kg		110	U	ug/kg	110	58	J	ug/kg	240
gamma-Chlordane	330	J	ug/kg	560	290	R	ug/kg		110	U	ug/kg	110	24	J	ug/kg	240
Toxaphene	1100	U	ug/kg	1100	4700	R	ug/kg		230	U	ug/kg	230	490	U	ug/kg	490
Aroclor-1016	560	U	ug/kg	560	2300	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Aroclor-1221	560	U	ug/kg	560	5600	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Aroclor-1232	560	U	ug/kg	560	5600	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Aroclor-1242	560	U	ug/kg	560	2300	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Aroclor-1248	560	U	ug/kg	560	1100	R	ug/kg		110	U	ug/kg	110	240	U	ug/kg	240
Aroclor-1254	1100	U	ug/kg	1100	1100	R	ug/kg		230	U	ug/kg	230	490	U	ug/kg	490
Aroclor-1260	1100	U	ug/kg	1100	1100	R	ug/kg		230	U	ug/kg	230	490	U	ug/kg	490

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NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10657

Lab Sample Number:	20046009				20046010			
Site	CECIL				CECIL			
Locator	BOR-A-5-1				BOR-A-6-1			
Collect Date:	05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW								
alpha-BHC	56	U	ug/kg	56	980	U	ug/kg	980
beta-BHC	56	U	ug/kg	56	980	U	ug/kg	980
delta-BHC	56	U	ug/kg	56	980	U	ug/kg	980
gamma-BHC (Lindane)	56	U	ug/kg	56	980	U	ug/kg	980
Heptachlor	56	U	ug/kg	56	980	U	ug/kg	980
Aldrin	56	U	ug/kg	56	980	U	ug/kg	980
Heptachlor epoxide	56	U	ug/kg	56	980	U	ug/kg	980
Endosulfan I	56	U	ug/kg	56	980	U	ug/kg	980
Dieldrin	110	U	ug/kg	110	2000	U	ug/kg	2000
4,4-DDE	110	U	ug/kg	110	2000	U	ug/kg	2000
Endrin	110	U	ug/kg	110	2000	U	ug/kg	2000
Endosulfan II	110	U	ug/kg	110	2000	U	ug/kg	2000
4,4-DDD	110	U	ug/kg	110	650	J	ug/kg	2000
Endosulfan sulfate	110	U	ug/kg	110	2000	U	ug/kg	2000
4,4-DDT	110	U	ug/kg	110	2000	U	ug/kg	2000
Methoxychlor	560	U	ug/kg	560	9800	U	ug/kg	9800
Endrin ketone	110	U	ug/kg	110	2000	U	ug/kg	2000
Endrin aldehyde	-				-			
alpha-Chlordane	72	J	ug/kg	560	680	J	ug/kg	9800
gamma-Chlordane	36	J	ug/kg	560	660	J	ug/kg	9800
Toxaphene	1100	U	ug/kg	1100	20000	U	ug/kg	20000
Aroclor-1016	560	U	ug/kg	560	9800	U	ug/kg	9800
Aroclor-1221	560	U	ug/kg	560	9800	U	ug/kg	9800
Aroclor-1232	560	U	ug/kg	560	9800	U	ug/kg	9800
Aroclor-1242	560	U	ug/kg	560	9800	U	ug/kg	9800
Aroclor-1248	560	U	ug/kg	560	9800	U	ug/kg	9800
Aroclor-1254	1100	U	ug/kg	1100	20000	U	ug/kg	20000
Aroclor-1260	1100	U	ug/kg	1100	20000	U	ug/kg	20000

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NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10658

Lab Sample Number:	20046003				20046004				20046006				20046009			
Site	CECIL				CECIL				CECIL				CECIL			
Locator	BOR-A-1-1				BOR-A-2-1				BOR-A-3-1				BOR-A-5-1			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE																
Aluminum	3370		mg/kg	40	2530		mg/kg	40	2700		mg/kg	40	5170		mg/kg	40
Antimony	11.3	UJ	mg/kg	12	11	UJ	mg/kg	12	9.7	UJ	mg/kg	12	10.8	UJ	mg/kg	12
Arsenic	2	J	mg/kg	2	.36	J	mg/kg	2	.44	J	mg/kg	2	3		mg/kg	2
Barium	10	J	mg/kg	40	15.1	J	mg/kg	40	6.4	J	mg/kg	40	11.1	J	mg/kg	40
Beryllium	.03	UJ	mg/kg	1	.029	UJ	mg/kg	1	.025	UJ	mg/kg	1	.028	UJ	mg/kg	1
Cadmium	4.5	J	mg/kg	1	.44	UJ	mg/kg	1	.39	UJ	mg/kg	1	.43	UJ	mg/kg	1
Calcium	5840		mg/kg	1000	10400		mg/kg	1000	1400		mg/kg	1000	4720		mg/kg	1000
Chromium	7.6		mg/kg	2	4.3		mg/kg	2	4.8		mg/kg	2	8.7		mg/kg	2
Cobalt	1.4	U	mg/kg	10	1.4	U	mg/kg	10	1.2	U	mg/kg	10	1.7	J	mg/kg	10
Copper	10.8	J	mg/kg	5	5.3	J	mg/kg	5	3.6	J	mg/kg	5	8.3	J	mg/kg	5
Iron	1860	J	mg/kg	20	798	J	mg/kg	20	1060	J	mg/kg	20	1090	J	mg/kg	20
Lead	22.5		mg/kg	1	9.7		mg/kg	1	4.9		mg/kg	1	22.8		mg/kg	1
Magnesium	221	J	mg/kg	1000	268	J	mg/kg	1000	111	J	mg/kg	1000	340	J	mg/kg	1000
Manganese	19.9		mg/kg	3	18.7		mg/kg	3	3.3	J	mg/kg	3	30		mg/kg	3
Mercury	.76		mg/kg	.1	.1	U	mg/kg	.1	.15		mg/kg	.1	.38		mg/kg	.1
Nickel	2	UJ	mg/kg	8	3	J	mg/kg	8	2.4	J	mg/kg	8	3.4	J	mg/kg	8
Potassium	49.9	U	mg/kg	1000	48.6	U	mg/kg	1000	42.7	U	mg/kg	1000	109	J	mg/kg	1000
Selenium	.5	J	mg/kg	1	.5	J	mg/kg	1	.6	J	mg/kg	1	.34	J	mg/kg	1
Silver	.65	U	mg/kg	2	.64	U	mg/kg	2	.56	U	mg/kg	2	.62	U	mg/kg	2
Sodium	308	UJ	mg/kg	1000	309	UJ	mg/kg	1000	270	UJ	mg/kg	1000	324	UJ	mg/kg	1000
Thallium	.4	U	mg/kg	2	.39	U	mg/kg	2	.34	U	mg/kg	2	.38	U	mg/kg	2
Vanadium	2.1	J	mg/kg	10	1.8	J	mg/kg	10	3.3	J	mg/kg	10	3.3	J	mg/kg	10
Zinc	43.6	J	mg/kg	4	14.1	J	mg/kg	4	7.4	UJ	mg/kg	4	26.6	J	mg/kg	4
Cyanide	.51	U	mg/kg	2	.5	U	mg/kg	2	1	J	mg/kg	2	.48	U	mg/kg	2

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NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- INORGANICS -- REPORT REQUEST NO. 10658

Lab Sample Number:	20046010
Site	CECIL
Locator	BOR-A-6-1
Collect Date:	05-NOV-91

	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	4270		mg/kg	40
Antimony	9.3	UJ	mg/kg	12
Arsenic	46.9		mg/kg	2
Barium	64	J	mg/kg	40
Beryllium	.024	UJ	mg/kg	1
Cadmium	.37	UJ	mg/kg	1
Calcium	110000		mg/kg	1000
Chromium	19		mg/kg	2
Cobalt	1.2	U	mg/kg	10
Copper	9.4	J	mg/kg	5
Iron	2470	J	mg/kg	20
Lead	19.4		mg/kg	1
Magnesium	17500		mg/kg	1000
Manganese	317		mg/kg	3
Mercury	.093	U	mg/kg	.1
Nickel	3	J	mg/kg	8
Potassium	389	J	mg/kg	1000
Selenium	.3	J	mg/kg	1
Silver	.54	U	mg/kg	2
Sodium	296	UJ	mg/kg	1000
Thallium	.33	U	mg/kg	2
Vanadium	15.5		mg/kg	10
Zinc	47.2	J	mg/kg	4
Cyanide	1.9	J	mg/kg	2

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

NAS CECIL FIELD -- AREA OF INTEREST 21
SUBSURFACE SOIL -- ARSENIC -- REPORT REQUEST NO. 10654

Lab Sample Number:	JR46171			JR461726		
Site	BRAC			BRAC		
Locator	90B00101			90B00201		
Collect Date:	12-DEC-98			12-DEC-98		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Arsenic	11	mg/kg	.6	1.8 J	mg/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 -- AREA OF INTEREST 21
GROUNDWATER -- VOLATILES -- REPORT REQUEST NO. 10666

Lab Sample Number:	C7WWH
Site	CECILBRAC3
Locator	90G00101
Collect Date:	29-JAN-97

	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW				
Chloromethane	10	U	ug/l	10
Bromomethane	10	U	ug/l	10
Vinyl chloride	10	U	ug/l	10
Chloroethane	10	U	ug/l	10
Methylene chloride	10	U	ug/l	10
Acetone	10	U	ug/l	10
Carbon disulfide	10	U	ug/l	10
1,1-Dichloroethene	10	U	ug/l	10
1,1-Dichloroethane	10	U	ug/l	10
1,2-Dichloroethene (total)	10	U	ug/l	10
Chloroform	10	U	ug/l	10
1,2-Dichloroethane	10	U	ug/l	10
2-Butanone	10	U	ug/l	10
1,1,1-Trichloroethane	10	U	ug/l	10
Carbon tetrachloride	10	U	ug/l	10
Bromodichloromethane	10	U	ug/l	10
1,2-Dichloropropane	10	U	ug/l	10
cis-1,3-Dichloropropene	10	U	ug/l	10
Trichloroethene	10	U	ug/l	10
Dibromochloromethane	10	U	ug/l	10
1,1,2-Trichloroethane	10	U	ug/l	10
Benzene	10	U	ug/l	10
trans-1,3-Dichloropropene	10	U	ug/l	10
Bromoform	10	U	ug/l	10
4-Methyl-2-pentanone	10	U	ug/l	10
2-Hexanone	10	U	ug/l	10
Tetrachloroethene	10	U	ug/l	10
Toluene	10	U	ug/l	10
1,1,2,2-Tetrachloroethane	10	U	ug/l	10
Chlorobenzene	10	U	ug/l	10
Ethylbenzene	10	U	ug/l	10
Styrene	10	U	ug/l	10
Xylenes (total)	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 -- AREA OF INTEREST 21
GROUNDWATER -- SEMIVOLATILES -- REPORT REQUEST NO. 10667

Lab Sample Number:	C7WWH
Site	CECILBRAC3
Locator	90G00101
Collect Date:	29-JAN-97

	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
4-Nitroaniline	25	U	ug/l	25
4,6-Dinitro-2-methylphenol	25	U	ug/l	25
N-Nitrosodiphenylamine	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

NAS CECIL FIELD -- [illegible] OF INTEREST 21
GROUNDWATER -- SEMIVOLATILES -- REPORT REQUEST NO. 10667

Lab Sample Number:		C7WWH		
Site		CECILBRAC3		
Locator		90G00101		
Collect Date:		29-JAN-97		
	VALUE	QUAL	UNITS	DL
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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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- AREA OF INTEREST 21
GROUNDWATER -- PESTICIDES AND PCBs -- REPORT REQUEST NO. 10668

Lab Sample Number:	C7WWH
Site	CECILBRAC3
Locator	90G00101
Collect Date:	29-JAN-97

	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW				
alpha-BHC	.25	U	ug/l	.25
beta-BHC	.25	U	ug/l	.25
delta-BHC	.25	U	ug/l	.25
gamma-BHC (Lindane)	.25	U	ug/l	.25
Heptachlor	.19	J	ug/l	.2
Aldrin	.25	U	ug/l	.25
Heptachlor epoxide	.1	J	ug/l	.2
Endosulfan I	.25	U	ug/l	.25
Dieldrin	.5	U	ug/l	.5
4,4-DDE	.5	U	ug/l	.5
Endrin	.5	U	ug/l	.5
Endosulfan II	.5	U	ug/l	.5
4,4-DDD	.12	J	ug/l	.5
Endosulfan sulfate	.5	U	ug/l	.5
4,4-DDT	.5	U	ug/l	.5
Methoxychlor	2.5	U	ug/l	2.5
Endrin ketone	.5	U	ug/l	.5
Endrin aldehyde	.5	U	ug/l	.5
alpha-Chlordane	1.9		ug/l	.2
gamma-Chlordane	1.5		ug/l	.2
Toxaphene	25	U	ug/l	25
Aroclor-1016	5	U	ug/l	5
Aroclor-1221	10	U	ug/l	10
Aroclor-1232	5	U	ug/l	5
Aroclor-1242	5	U	ug/l	5
Aroclor-1248	5	U	ug/l	5
Aroclor-1254	5	U	ug/l	5
Aroclor-1260	5	U	ug/l	5

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NAS CECIL FIELD -- AREA OF INTEREST 21
GROUNDWATER -- INORGANICS -- REPORT REQUEST NO. 10669

Lab Sample Number:		C7WWH		
Site		CECILBRAC3		
Locator		90G00101		
Collect Date:		29-JAN-97		
	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE				
Aluminum	3170		ug/l	200
Antimony	35.5	J	ug/l	60
Arsenic	2.1	J	ug/l	10
Barium	14.9	J	ug/l	200
Beryllium	1	U	ug/l	5
Cadmium	1	U	ug/l	5
Calcium	55400		ug/l	5000
Chromium	2.9	J	ug/l	10
Cobalt	1.1	J	ug/l	50
Copper	4.2	J	ug/l	25
Iron	414		ug/l	100
Lead	2.5	J	ug/l	3
Magnesium	1770	J	ug/l	5000
Manganese	5.3	J	ug/l	15
Mercury	.1	U	ug/l	.2
Nickel	2	U	ug/l	40
Potassium	1040	J	ug/l	5000
Selenium	4	U	ug/l	5
Silver	1	U	ug/l	10
Sodium	7520		ug/l	5000
Thallium	3.6	J	ug/l	10
Vanadium	11.2	J	ug/l	50
Zinc	6.3	J	ug/l	20
Cyanide	2.7	J	ug/l	10

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NAS CECIL FIELD -- AREA OF INTEREST 21
SEDIMENT -- VOLATILES -- REPORT REQUEST NO. 10659

Lab Sample Number:	20046007				20046011				20046012			
Site	CECIL				CECIL				CECIL			
Locator	SD-A-1				FH-SD-A-2				SD-A-3			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP VOLATILES 90-SOW												
Chloromethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride	49	U	ug/kg	6	83		ug/kg	6	240		ug/kg	6
Acetone	12	U	ug/kg	12	34	U	ug/kg	12	210	U	ug/kg	12
Carbon disulfide	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
1,1,1-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone	12	U	ug/kg	12	16	U	ug/kg	12	120		ug/kg	12
2-Hexanone	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

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NAS CECIL FIELD -- AREA OF INTEREST 21
SEDIMENT -- SEMIVOLATILES -- REPORT REQUEST NO. 10660

Lab Sample Number:	20046007				20046011				20046012			
Site	CECIL				CECIL				CECIL			
Locator	SD-A-1				FH-SD-A-2				SD-A-3			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP SEMIVOLATILES 90-SOW												
Phenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
bis(2-Chloroethyl) ether	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2-Chlorophenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
1,3-Dichlorobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
1,4-Dichlorobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
1,2-Dichlorobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2-Methylphenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,2-oxybis(1-Chloropropane)	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Methylphenol	70	J	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
N-Nitroso-di-n-propylamine	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Hexachloroethane	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Nitrobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Isophorone	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2-Nitrophenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4-Dimethylphenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
bis(2-Chloroethoxy) methane	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4-Dichlorophenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
1,2,4-Trichlorobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Naphthalene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Chloroaniline	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Hexachlorobutadiene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Chloro-3-methylphenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2-Methylnaphthalene	410	UJ	ug/kg	410	470	U	ug/kg	470	450	UJ	ug/kg	450
Hexachlorocyclopentadiene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4,6-Trichlorophenol	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4,5-Trichlorophenol	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
2-Chloronaphthalene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2-Nitroaniline	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
Dimethylphthalate	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Acenaphthylene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,6-Dinitrotoluene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
3-Nitroaniline	2000	U	ug/kg	2000	2300	UJ	ug/kg	2300	2200	U	ug/kg	2200
Acenaphthene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4-Dinitrophenol	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
4-Nitrophenol	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
Dibenzofuran	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
2,4-Dinitrotoluene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Diethylphthalate	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Chlorophenyl-phenylether	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Fluorene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Nitroaniline	2000	U	ug/kg	2000	2300	UJ	ug/kg	2300	2200	U	ug/kg	2200
4,6-Dinitro-2-methylphenol	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
N-Nitrosodiphenylamine	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
4-Bromophenyl-phenylether	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Hexachlorobenzene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Pentachlorophenol	2000	U	ug/kg	2000	2300	U	ug/kg	2300	2200	U	ug/kg	2200
Phenanthrene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Anthracene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Carbazole	-				-				-			
Di-n-butylphthalate	410	U	ug/kg	410	470	U	ug/kg	470	55	J	ug/kg	450

NAS CECIL FIELD -- AREA OF INTEREST 21
SEDIMENT -- SEMIVOLATILES -- REPORT REQUEST NO. 10660

Lab Sample Number:	20046007				20046011				20046012			
Site	CECIL				CECIL				CECIL			
Locator	SD-A-1				FH-SD-A-2				SD-A-3			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Fluoranthene	410	U	ug/kg	410	55	J	ug/kg	470	450	U	ug/kg	450
Pyrene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Butylbenzylphthalate	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
3,3-Dichlorobenzidine	820	U	ug/kg	820	940	U	ug/kg	940	890	U	ug/kg	890
Benzo (a) anthracene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Chrysene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
bis(2-Ethylhexyl) phthalate	410	U	ug/kg	410	67	J	ug/kg	470	79	J	ug/kg	450
Di-n-octylphthalate	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Benzo (b) fluoranthene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Benzo (k) fluoranthene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Benzo (a) pyrene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Indeno (1,2,3-cd) pyrene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Dibenzo (a,h) anthracene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450
Benzo (g,h,i) perylene	410	U	ug/kg	410	470	U	ug/kg	470	450	U	ug/kg	450

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R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- AREA OF INTEREST 21
SEDIMENT -- PESTCIDES AND PCBs -- REPORT REQUEST NO. 10661

Lab Sample Number:	20046007				20046011				20046012			
Site	CECIL				CECIL				CECIL			
Locator	SD-A-1				FH-SD-A-2				SD-A-3			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP PESTICIDES/PCBS 90-SOW												
alpha-BHC	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
beta-BHC	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
delta-BHC	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
gamma-BHC (Lindane)	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
Heptachlor	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
Aldrin	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
Heptachlor epoxide	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
Endosulfan I	25	U	ug/kg	25	28	U	ug/kg	28	27	U	ug/kg	27
Dieldrin	50	U	ug/kg	50	21	J	ug/kg	57	4.8	J	ug/kg	54
4,4-DDE	50	U	ug/kg	50	63	J	ug/kg	57	53	J	ug/kg	54
Endrin	50	U	ug/kg	50	57	U	ug/kg	57	54	U	ug/kg	54
Endosulfan II	50	U	ug/kg	50	57	U	ug/kg	57	54	U	ug/kg	54
4,4-DDD	50	U	ug/kg	50	45	J	ug/kg	57	42	J	ug/kg	54
Endosulfan sulfate	50	U	ug/kg	50	57	U	ug/kg	57	54	U	ug/kg	54
4,4-DDT	50	U	ug/kg	50	57	U	ug/kg	57	54	U	ug/kg	54
Methoxychlor	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Endrin ketone	50	U	ug/kg	50	57	U	ug/kg	57	54	U	ug/kg	54
Endrin aldehyde	-				-				-			
alpha-Chlordane	34	J	ug/kg	250	350		ug/kg	290	350		ug/kg	270
gamma-Chlordane	21	J	ug/kg	250	320		ug/kg	290	320		ug/kg	270
Toxaphene	500	U	ug/kg	500	570	U	ug/kg	570	540	U	ug/kg	540
Aroclor-1016	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Aroclor-1221	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Aroclor-1232	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Aroclor-1242	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Aroclor-1248	250	U	ug/kg	250	290	U	ug/kg	290	270	U	ug/kg	270
Aroclor-1254	500	U	ug/kg	500	570	U	ug/kg	570	540	U	ug/kg	540
Aroclor-1260	500	U	ug/kg	500	570	U	ug/kg	570	540	U	ug/kg	540

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NAS CECIL FIELD -- AREA OF INTEREST 21
SEDIMENT -- INORGANICS -- REPORT REQUEST NO. 10662

Lab Sample Number:	20046007				20046011				20046012			
Site	CECIL				CECIL				CECIL			
Locator	SD-A-1				FH-SD-A-2				SD-A-3			
Collect Date:	05-NOV-91				05-NOV-91				05-NOV-91			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
CLP METALS AND CYANIDE												
Aluminum	4500		mg/kg	40	34900		mg/kg	40	26500		mg/kg	40
Antimony	9.7	UJ	mg/kg	12	11.5	UJ	mg/kg	12	11.3	UJ	mg/kg	12
Arsenic	1.7	J	mg/kg	2	4.2		mg/kg	2	8.2		mg/kg	2
Barium	6.3	J	mg/kg	40	14.9	J	mg/kg	40	26.1	J	mg/kg	40
Beryllium	.026	UJ	mg/kg	1	.03	UJ	mg/kg	1	.03	UJ	mg/kg	1
Cadmium	.39	UJ	mg/kg	1	.46	UJ	mg/kg	1	.46	UJ	mg/kg	1
Calcium	1580		mg/kg	1000	1630		mg/kg	1000	594	J	mg/kg	1000
Chromium	5.7		mg/kg	2	29		mg/kg	2	20.8		mg/kg	2
Cobalt	1.5	J	mg/kg	10	1.5	U	mg/kg	10	1.4	U	mg/kg	10
Copper	3.8	J	mg/kg	5	3.8	J	mg/kg	5	5.5	J	mg/kg	5
Iron	917	J	mg/kg	20	6840	J	mg/kg	20	9780	J	mg/kg	20
Lead	5.4		mg/kg	1	6.2		mg/kg	1	9.1		mg/kg	1
Magnesium	169	J	mg/kg	1000	520	J	mg/kg	1000	125	J	mg/kg	1000
Manganese	29.9		mg/kg	3	22.1		mg/kg	3	4	J	mg/kg	3
Mercury	.17		mg/kg	.1	1.3		mg/kg	.1	1.1		mg/kg	.1
Nickel	2.4	J	mg/kg	8	9	J	mg/kg	8	8.9	J	mg/kg	8
Potassium	150	J	mg/kg	1000	308	J	mg/kg	1000	133	J	mg/kg	1000
Selenium	.28	U	mg/kg	1	.33	U	mg/kg	1	.32	U	mg/kg	1
Silver	.56	U	mg/kg	2	.66	U	mg/kg	2	.65	U	mg/kg	2
Sodium	297	UJ	mg/kg	1000	345	UJ	mg/kg	1000	320	UJ	mg/kg	1000
Thallium	.34	U	mg/kg	2	.4	U	mg/kg	2	.4	U	mg/kg	2
Vanadium	3.6	J	mg/kg	10	28		mg/kg	10	46.9		mg/kg	10
Zinc	10.8	J	mg/kg	4	20.8	J	mg/kg	4	9	J	mg/kg	4
Cyanide	.43	U	mg/kg	2	.52	U	mg/kg	2	.51	U	mg/kg	2

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