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NAS CECIL FIELD, FL
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CONFIRMATORY SAMPLING REPORT FOR SOUTH FUEL FARM OIL-WATER SEPARATOR
SFF-OW BASE REALIGNMENT AND CLOSURE UNDERGROUND STORAGE TANK AND
ABOVEGROUND STORAGE TANK GRAY SITES NAS CECIL FIELD FL
7/1/1999
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CONFIRMATORY SAMPLING REPORT
SOUTH FUEL FARM OIL-WATER SEPARATOR, SFF-OW
BASE REALIGNMENT AND CLOSURE
UNDERGROUND STORAGE TANK AND
ABOVEGROUND STORAGE TANK GRAY SITES
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

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3.0 SCREENING AND ANALYTICAL RESULTS

Excessively contaminated soil (greater than 50 parts per million on an OVA) was detected in three of the four soil borings advanced during the confirmatory sampling. The soil OVA data are summarized in Table 1 and presented on Figure 1.

TRPH was the only contaminant detected above FDEP soil cleanup target levels in the subsurface soil sample collected for used oil analysis. Subsurface soil analytical results are summarized in Table 2 and presented in Appendix B.

Ethylbenzene, xylene, acenaphthene, and naphthalene were detected above FDEP groundwater cleanup target levels in the groundwater sample collected from monitoring well CEF-SFFOW-1S. A summary of the groundwater analytical results is presented in Table 3. The complete analytical data set is presented in Appendix B.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling of oil-water separator, SFF-OW indicated the presence of soil and groundwater contamination at levels above cleanup target levels. However, the location of the former oil-water separator is within the area of a bioventing well which is part of the South Fuel Farm remediation system. Therefore, ongoing remediation is treating soil and shallow groundwater contamination and it is recommended that monitoring well CEF-SFFOW-1S be included as a groundwater sampling point in the South Fuel Farm groundwater monitoring program.

Table 1
Soil Screening Results

Confirmatory Sampling Report
Oil-Water Separator, SFF-OW
Naval Air Station Cecil Field
Jacksonville, Florida

Location	OVA Concentration (ppm)			Actual
	Depth (feet bls)	Unfiltered	Filtered	
SB1	1	3	0	3
	3	6	0	6
	5	350	0	350
	7	3,000	0	3,000
	8 (wet)	>5,000	0	>5,000
SB2	1	0	-	0
	3	0	-	0
	5	0	-	0
SB3	3	240	0	240
	5	410	0	410
SB4	3	2,000	0	2,000
	5	1,500	0	1,500

Notes: Soil samples were filtered with carbon to determine the methane concentration.

OVA = organic vapor analyzer.

ppm = parts per million.

bls = below land surface.

wet = soil sample was completely saturated when analyzed.

> = greater than.

-- = filtered readings were not collected.