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PRELIMINARY SITE ASSESSMENT REPORT BUILDING 794 NAVAL AVIATION DEPOT NAS JACKSONVILLE FL

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PRELIMINARY SITE ASSESSMENT REPORT BUILDING 794 NAVAL AVIATION DEPOT

Naval Air Station Jacksonville
Jacksonville, Florida

Southern Division
Naval Facilities Engineering Command
Contract Number N62467-94-D-0888
Contract Task Order CTO-0071

JANUARY 1999

Rev. 0
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PRELIMINARY SITE ASSESSMENT REPORT
BUILDING 794

NAVAL AVIATION DEPOT
NAVAL AIR STATION JACKSONVILLE, FLORIDA

Submitted to:
Southern Division
Naval Facilities Engineering Command
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North Charleston, South Carolina 29406

Submitted by:
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CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0071

JANUARY 1999

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EXECUTIVE SUMMARY OF PRELIMINARY SITE ASSESSMENT for Building 794 at Naval Aviation Depot Naval Air Station Jacksonville, Florida

Tetra Tech NUS, Inc. (TtNUS) has completed a Preliminary Site Assessment (PSA) at the above-referenced facility. The purpose of this assessment was to determine the presence or absence of petroleum related penetrant fluids on the perimeter of and beneath Building 794. These penetrant fluids were inadvertently discharged to the subsurface beneath the Non-Destructive Investigation (NDI) Shop within Building 794. This assessment report is being submitted to Southern Division Navy (SouthDiv) for review.

TtNUS performed the following tasks during the PSA:

- Reviewed available U.S. Navy documents, including historical waste profile sheets, to ascertain the nature of the petroleum hydrocarbon source (penetrant fluids).
- Conducted a site survey to identify utilities and to construct a site plan.
- Advanced 11 soil borings using Direct Push Technology (DPT) and analyzed soil and groundwater samples via fixed based laboratory.

The results of the PSA did not indicate the presence of "excessively contaminated" soil, as defined by Chapter 62-770.200 FAC, or groundwater with dissolved petroleum concentrations in excess of FDEP target cleanup levels. However, groundwater collected from the six monitoring points did exhibit dissolved lead concentrations above FDEP target cleanup levels. Free product was not encountered in any onsite monitoring points during the PSA. Based on these results, TtNUS recommends no further action for the area on the perimeter of Building 794.

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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

A Preliminary Site Assessment (PSA) was conducted by Tetra Tech NUS (TtNUS) for the U.S. Navy (Navy) Southern Division Naval Facilities Engineering Command under Contract Task Order 0071, for the Comprehensive Long-term Environmental Action Navy (CLEAN III), Contract Number N62467-94-D-0888. The PSA was conducted at Building 794 located at the Naval Aviation Depot within Naval Air Station (NAS) Jacksonville, Florida.

The purpose of this PSA was to determine the presence or absence of petroleum hydrocarbon contamination in soil and groundwater in accordance with the requirements of Chapter 62-770 of the Florida Administrative Code (FAC). The cause of the investigation was the release of petroleum penetrant fluids from the Non-Destructive Investigation (NDI) Shop within Building 794.

1.2 SITE DESCRIPTION

1.2.1 Location

The Naval Aviation Depot (NADEP) is located within the confines of NAS Jacksonville. NAS Jacksonville is located in Duval County, approximately 5 miles southwest of downtown Jacksonville, Florida. NADEP is located in Township 3 South, Range 26 East, Section 23, as shown on the Orange Park, Florida United States Geological Survey (USGS) Quadrangle (7.5 Minute Series) presented in **Figure 1-1**. The location of Building 794 is also depicted on **Figure 1-1**.

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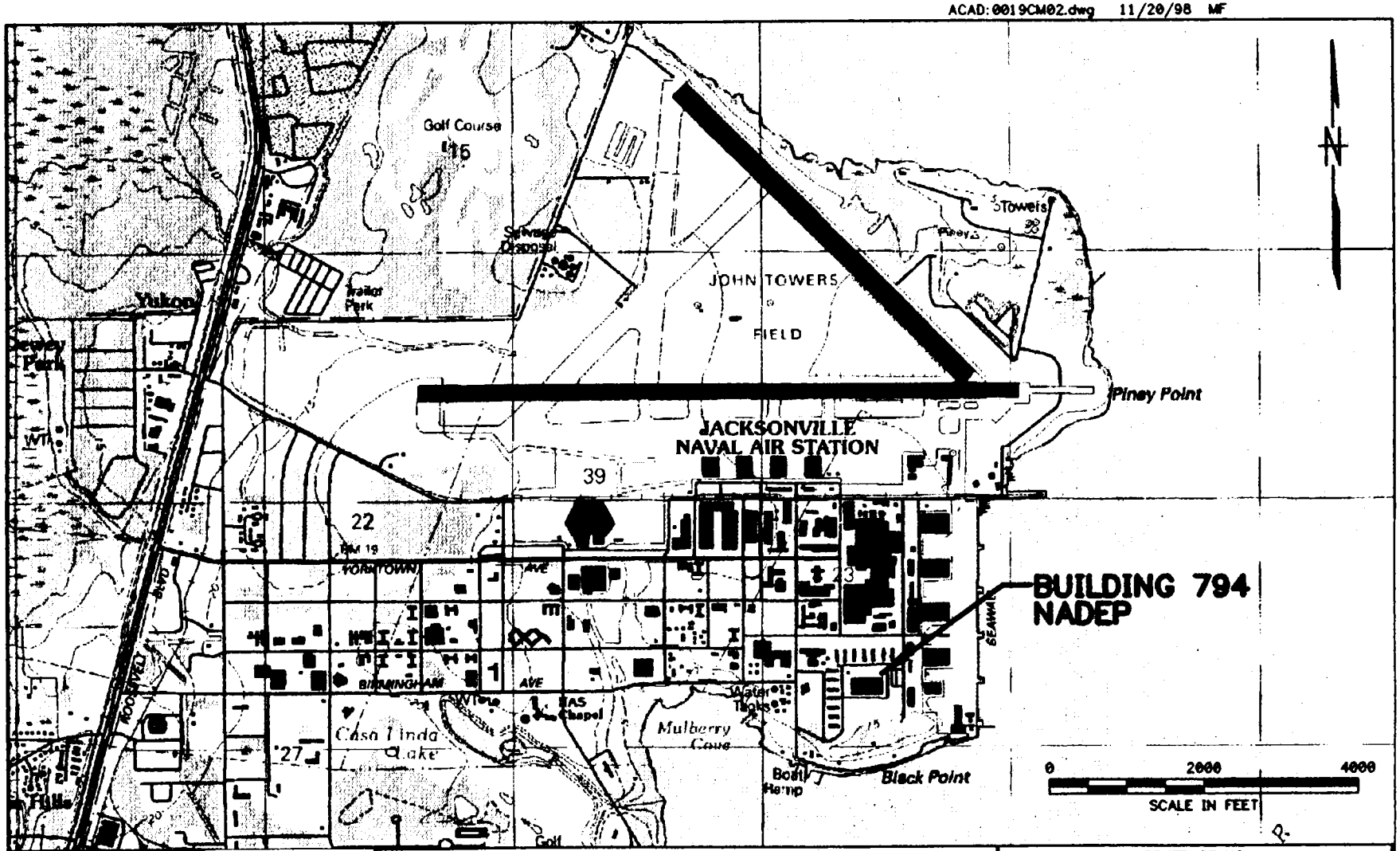

DRAWN BY MF	DATE 11/20/98	SITE LOCATION MAP BUILDING 794, NADEP NAS JACSONVILLE, FLORIDA	CONTRACT NO. 0019
CHECKED BY	DATE		APPROVED BY / DATE
COST/SCHED-AREA			APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1-1 / REV. 0

FORM CADD NO. SDIV_AH.DWG - REV 0 - 1/20/98

1.2.2 Site Description, Topography and Drainage

Building 794 is located within the NADEP at NAS Jacksonville. NADEP occupies most of the eastern and the southeastern corner of NAS Jacksonville and is bordered to the east by the St. Johns River. The land surface elevation is approximately 10 feet above mean sea level. Site surface water drainage is dictated by the St. Johns River to the east of NADEP.

1.3 SITE HISTORY AND OPERATIONS

1.3.1 Site History

The land incorporated into NAS Jacksonville has been used for U.S. Navy operations since 1940. . NADEP serves as an industrial airplane building and maintenance facility. Historically, Building 794 at NADEP has primarily been used for various processes involved in producing parts for Naval airplanes. . These processes have included non-destructive investigation (whereby airplane components are tested with a florescent dye), dry blasting and chemical cleaning of airplane parts, and electroplating. Historical processes were very similar to those currently being performed at the facility.

1.3.2 Initial Remedial Action

Remedial activities have not been initiated at Building 794 in response to the discharge of petroleum related penetrant fluids. However, several measures have been taken to prevent any further release of penetrant fluids.

NADEP personnel initiated monitoring of the drain system used to transfer the fluids from the NDI Shop within Building 794 to the treatment plant in early May 1998. The drain system was temporarily sealed in mid-May 1998 and various leak detection tests were performed. The leak detection tests were inconclusive, therefore the drain system was permanently sealed in late-July 1998 and the fluid waste flow was redirected through a separate piping system to the treatment plant.

2.0 SUBSURFACE INVESTIGATION METHODS

2.1 QUALITY ASSURANCE

The site investigation was conducted in accordance with the Standard Operating Procedures prescribed by the FDEP Quality Assurance Section Document DER-001/92, and adopted by the TtNUS Comprehensive Quality Assurance Plan Number 980038, dated August 24, 1998.

2.2 SOIL SAMPLING

2.2.1 Soil Boring Procedures

Soil borings were installed on December 8, 1998, using direct push technology (DPT). Eleven soil borings were installed within and surrounding the NDI Shop of Building 794. The borings were advanced continuously until the water table was encountered. Soil samples were collected at three-foot intervals for organic vapor screening and lithologic description. In addition, a soil sample was collected from the vadose zone of the NDI Shop soil boring and analyzed by a fixed-based laboratory for volatile organic aromatics (VOA), polynuclear aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TRPH), and Target Analyte List (TAL) metals. Lithologic descriptions for the soil borings are included in Appendix A.

2.3 SOIL VAPOR ANALYSIS

Soil vapor analysis was conducted on each soil boring using an Organic Vapor Analyzer-Flame Ionization Detector (OVA-FID). The soil vapor analysis was performed according to the head space method prescribed in Rule 62-770.200 (2) FAC. The suspected contaminant at the site is penetrant fluids, which is considered equivalent to the Kerosene Analytical Group. Therefore, soil samples with headspace levels in excess of 50 ppm are considered "excessively contaminated". The Headspace Methodology for Determining Soil Organic Vapor Concentrations is described in detail in Appendix B.

2.4 GROUND WATER SAMPLING

2.4.1 Temporary Well Point Groundwater Sampling

During the DPT investigation, TtNUS personnel installed temporary stainless steel, 1.5-inch diameter well points in each soil boring and collected groundwater samples from the surficial aquifer system. The samples were collected at an approximate depth of 25 feet below land surface (bls), and analyzed by a fixed-based laboratory.

Groundwater samples from the sampling event were preserved and shipped to Accutest Laboratories in Orlando, Florida. All groundwater samples were analyzed using EPA Method 239.2 for lead (filtered and unfiltered), EPA Method 504.1 for 1-2-dibromoethane (EDB), EPA Method 601 for purgeable halocarbons, EPA method 8021 for VOA (including benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether), EPA Method 8310 for PAHs, and FL-PRO for TRPH. In addition to these methods, the groundwater sample collected from the NDI Shop was also analyzed by EPA Method 8260 for Target Compound List (TCL) VOA compounds and EPA Method 6010B for TAL metals.

During the sampling events, quality control samples (i.e. trip blanks) were prepared and submitted to the laboratory as required by the approved TtNUS Comprehensive Quality Assurance Plan. Sampling activities were documented in a site-specific field logbook, and samples were transmitted under chain-of-custody protocols.

2.4.2 Free Product Sampling

Prior to groundwater sampling, TtNUS personnel checked each monitoring point for free product using a clear bailer. Free product was not encountered during the groundwater sampling.

3.0 RESULTS OF INVESTIGATION

3.1 SITE HYDROGEOLOGY

3.1.1 Lithology

The site is underlain by light brown to gray sand and clayey sands to a depth of at least 30 feet bls. Confining units were not encountered during drilling activities. Due to the relative homogeneity of the subsurface across the assessment area, a geologic cross-section was not depicted as a figure. Soil boring logs describe the lithology across the assessment area and are included as Appendix A.

3.2 SOIL QUALITY

3.2.1 Soil Boring Investigation

"Excessively contaminated" soil (greater than 50 ppm OVA response as defined by Chapter 62-770.200, FAC) was not encountered during the PSA. In fact, net organic petroleum vapors were not detected in any of the soil samples screened during the PSA.

A soil sample was collected from the vadose zone directly beneath the NDI Shop of Building 794 and analyzed by a fixed-based laboratory for VOA, PAH, and TRPH compounds, and TAL metals. The laboratory analytical results for soil are presented in **Table 3-1.** Benzene, toluene, ethylbenzene, total xylenes, methyl tert-butyl ether (MTBE), naphthalenes, and TRPH were not detected above laboratory limits in the NDI Shop soil boring. Several of the TAL metals were detected in the soil sample, however none were detected at concentrations in exceedance of FDEP target cleanup levels. The TAL metals detected were aluminum (2.46 μg/kg), calcium (24.7 μg/kg), chromium (0.004 μg/kg), iron (1.98 μg/kg), manganese (0.014 μg/kg), and zinc (0.007 μg/kg). The laboratory analytical report is included as Appendix C.

3.3 WATER QUALITY

3.3.1 Temporary Well Point Sampling

TtNUS personnel collected eleven groundwater samples from temporary well points installed in each soil boring during the DPT investigation. Benzene, toluene, ethylbenzene, total xylenes, MTBE, naphthalenes, and TRPH were not detected above laboratory limits in the groundwater samples collected. Dissolved lead was detected in ten of the samples, with concentrations

ranging from 8.8 μg/l to 74.6 μg/l. The FDEP target cleanup level was exceeded in the groundwater collected from monitoring point GP-04 (74.6 μg/l), GP-05 (23.1 μg/l), GP-06 (32.1 μg/l), GP-08 (21.2 μg/l), GP-09 (32.7 μg/l), and GP-10 (16.9 μg/l). The laboratory analytical results for groundwater are presented in **Table 3-2**. VOA and PAH compound concentrations are depicted on **Figure 3-1**. Lead, EDB, and TRPH compound concentrations are depicted on **Figure 3-2**. The laboratory analytical report is included as Appendix C.

TABLE 3-1: SOIL ANALYTICAL SUMMARY-FIXED-BASED LABORATORY

Facility Name: Building 794, Naval Aviation Depot, NAX Jacksonville

< = below laboratory detection limit

Analytical Results = ug/kg

Sample												
Location	**Date**	**Benzene**	**Toluene**	**Ethyl Benzene**	**Total Xylenes**	**MTBE**	**Napth.**	**Lead**	**Chromium**	**Arsenic**	**Mercury**	**Cadmium**
B794-SL-GP11	12/8/98	<2.2	<2.2	<2.2	<6.5	<2.2	<400	$<1.2 \times 10^3$	4.4×10^3	<1200	<200	<480
FDEP Target Levels		1500.00	2×10^6	2.4×10^5	2.9×10^5	6.1×10^6	8.6×10^6	5.0×10^5	4.3×10^5	3700.00	2.8×10^3	1.3×10^6

Note: Barium, Selenium, and Silver were not detected above laboratory detection limits.

TABLE 3-2: GROUNDWATER ANALYTICAL SUMMARY-FIXED-BASED LABORATORY

Facility Name: Building 794, Naval Aviation Depot, NAS Jacksonville

< = below laboratory detection limit
NS = not sampled
Analytical Results = ppb (ug/l)

Sample Location	Sample Date	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	EDB	Napth.	Lead	TRPH
B794-GW-GP01	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	9.00	<500
B794-GW-GP02	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.2	<3.0	<500
B794-GW-GP03	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	8.80	<500
B794-GW-GP04	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	74.60	<500
B794-GW-GP05	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	23.10	<500
B794-GW-GP06	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.0	32.10	<500
B794-GW-GP07	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	12.80	<500
B794-GW-GP08	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.0	21.20	<500
B794-GW-GP09	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.0	32.70	<500
B794-GW-GP10	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	16.90	<500
B794-GW-GP11	12/8/98	<1.0	<1.0	<1.0	<3.0	<1.0	<0.02	<1.1	9.60	<500
FDEP Target Levels		1.00	40.00	30.00	20.00	35.00	0.02	20.00	15.00	5000.00

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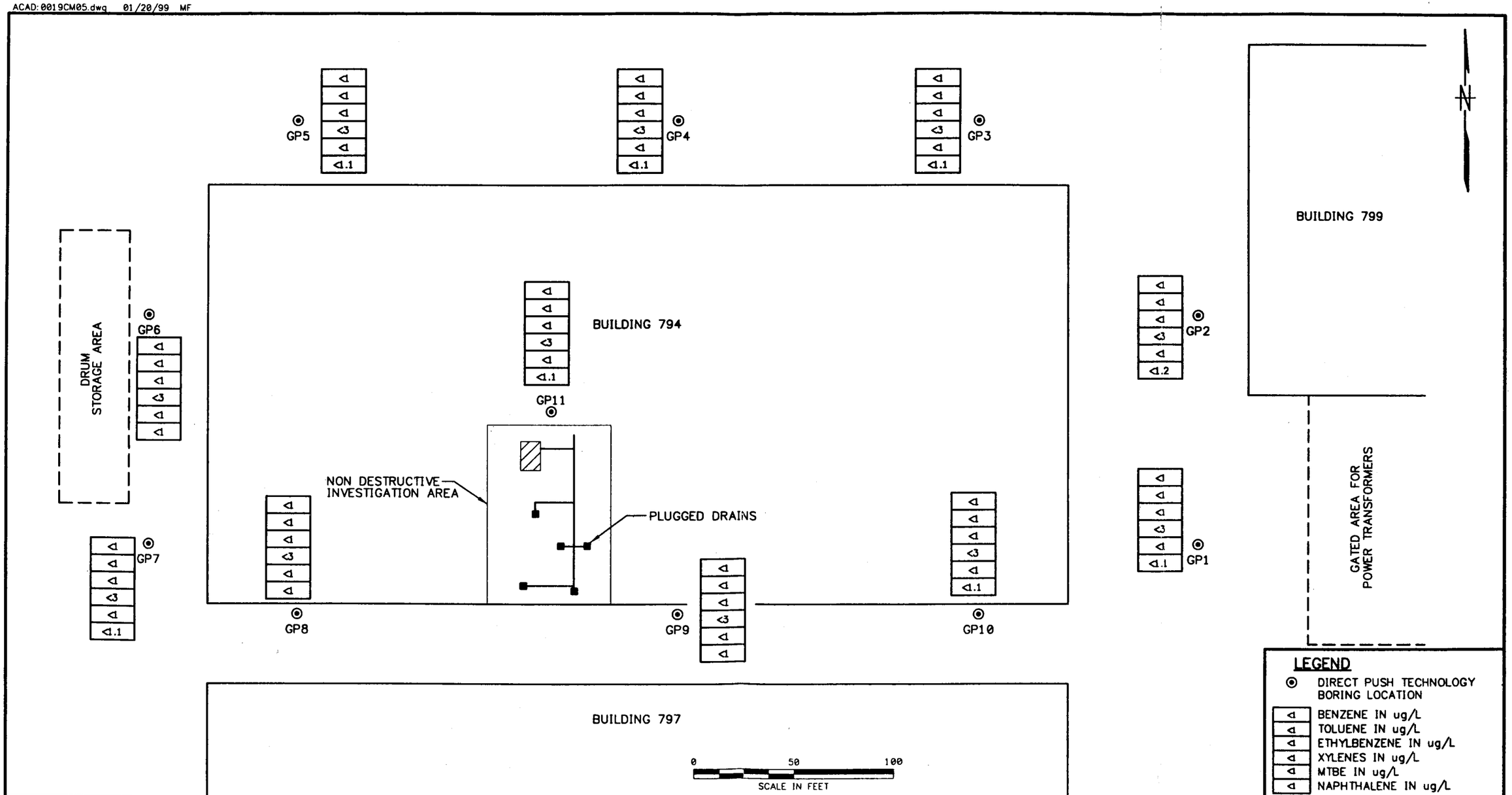

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

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SCALE AS NOTED

VOA AND PAH
COMPOUNDS IN GROUNDWATER
BUILDING 794, NADEP
NAS
JACKSONVILLE, FLORIDA

CONTRACT NO. 0019
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REV. 0

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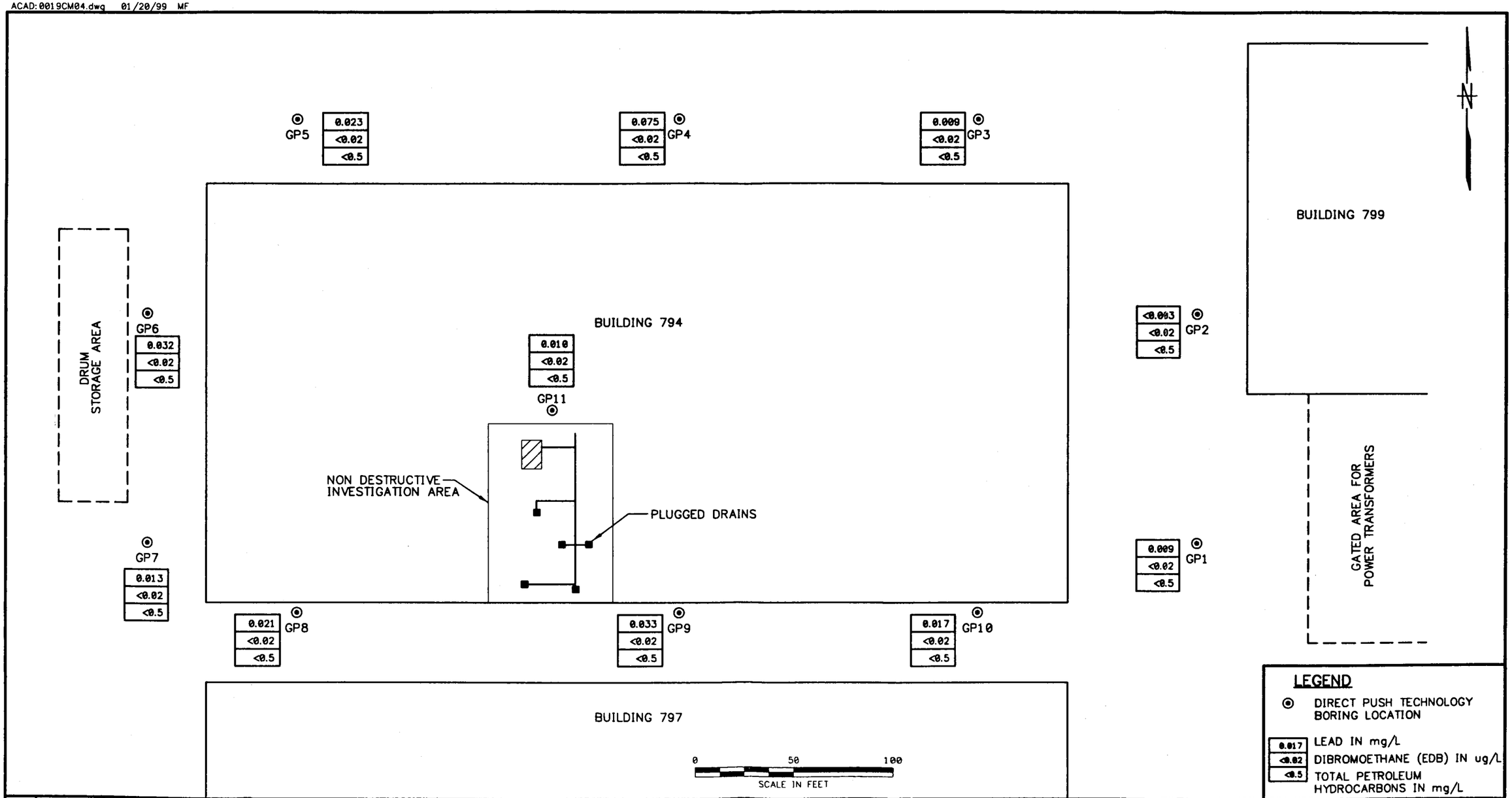

LEGEND

- ⊙ DIRECT PUSH TECHNOLOGY BORING LOCATION
- 0.017 LEAD IN mg/L
- <0.02 DIBROMOETHANE (EDB) IN ug/L
- <0.5 TOTAL PETROLEUM HYDROCARBONS IN mg/L

NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY MF DATE 1/19/99
CHECKED BY DATE
COST/SCHED-AREA
SCALE AS NOTED

LEAD, EDB, AND TPH IN GROUNDWATER BUILDING 794, NADEP NAS JACKSONVILLE, FLORIDA

CONTRACT NO. 0019
APPROVED BY DATE
APPROVED BY DATE
DRAWING NO. FIGURE 3-2
REV. 0

FORM CADD NO. SDIV_BH.DWG - REV 0 - 1/20/98

4.0 CONCLUSION AND RECOMMENDATION

The results of TtNUS' PSA at Building 794 of NADEP suggest the following:

- The suspected contaminant at this site was identified as petroleum related penetrant fluids, which were discharged from the drain system beneath Building 794.
- "Excessively contaminated" soil was not encountered during the PSA.
- Free product was not encountered in the monitoring points at Building 794.
- Tested dissolved hydrocarbon constituents, including benzene, toluene, ethylbenzene, total xylenes, MTBE, naphthalene, TRPH, and EDB, were below laboratory detection limits for all eleven of the monitoring points.
- Dissolved lead was detected in groundwater collected from six monitoring points, with concentrations ranging from 8.8 μg/l to 74.6 μg/l.
- Laboratory analytical results for the soil sample collected beneath the NDI Shop confirmed that petroleum contamination was not present in the vadose zone soils in that area.

The PSA determined that the subject site does not contain "excessively contaminated" soils, as defined by Chapter 62-770.200. The PSA also indicated that groundwater in the source area has not been impacted by petroleum compounds. TtNUS recommends no further action for the area on the perimeter of Building 794. Additional investigation directly beneath Building 794 may be necessary as a means of identifying the locale of the discharged penetrant fluids.

5.0 REFERENCES

Florida Department of Environmental Protection, October 1990. *No Further Action and Monitoring Only Guidelines for Petroleum Contaminated Sites.* Guidance document issued by Bureau of Waste Cleanup, Technical Review Section.

U.S. Geological Survey. Orange Park, FLA. Quadrangle 1982. 7.5 Minute Series, Topographic Quadrangle Maps of Florida: scale 1:24,000.

APPENDIX A

SOIL BORING LOGS

SOUTHNAVFAC

LOG OF BORING B794 SB-1

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 0900 - 0945
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHAWN + PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0 - 1 SAND: medium, med-fine grained, loose (soft), dry	
								SC	1 - 4 CLAYEY SAND/SANDY CLAY	
5	3-6		0						Orange brown, med. fine grn, med density, moist. color (med stiff)	
	6-9								is mottled w/ some red in clayey zones	
10										
									OVA-FID sample composite from 2ft + 4ft	
15									GWTR collected via peristaltic @ 16-20 ft bls	
20									SOIL SAMPLE FROM DIRECT PUSH CLEAR INNER SLEEVE, CONT.	
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-2

PROJECT NO: 0019	PROJECT NAME: NDI SHOP-BUILDING 794
PROJECT LOCATION: NADEP- NAS JACKSONVILLE	DATE DRILLED: 12/8/98 0955-1020
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHAWN, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-1 SAND: Fine grn qtz, loose, med brown. Dry	
								SC	1-3.8 SANDY CLAY/CLAYEY SAND med orange brown, stiff, dry, red mottling rare.	
5	3-6		0							
	6-9								3.8-4.0 SAND: Fine grn qtz, med. brown, loose. ~~some red mottling~~	
10										
15									QA-FID soil sample collected as composite of grab from 2 ft + 4 ft	
20									Groundwater collected via peristaltic. Masterflex tubing @ 16-20 ft.	
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-3

PROJECT NO: 0019	PROJECT NAME: NDI SHOP- BUILDING 794
PROJECT LOCATION: NADEP- NAS JACKSONVILLE	DATE DRILLED: 12/8/98 10:30-1055
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHAWN, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW SP-SW	0-2 SAND. Fine grained qtz, light brown, ~~soft~~ loose, well sorted.	
5	3-6		0						2-2.3 SANDY CLAY. orange brown, med. stiff, mottled gray.	
10	6-9								2.3-4 SAND. Fine grained qtz, gray/tan, loose, dry	
15									OVA-FID sample composite from 2 ft and 4 ft. Ground water sample from 16-20 ft bls. Peristaltic pump and dedicated masterflex tubing	
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-84

PROJECT NO: 0019	PROJECT NAME: NDI SHOP- BUILDING 794
PROJECT LOCATION: NADEP- NAS JACKSONVILLE	DATE DRILLED: 12/8/98 12:40 1330
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHAWN, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/ROD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-3.8 SAND: Light brown-light gray, loose, fine grained qtz.	
5	3-6		0					SC	3.8-4.0 CLAY: med gray, med. dense.	
10	6-9								OVA-FID 0-4 ft bls	
									Groundwater sample from 28-32 ft bls.	
15										
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-05

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1340-1405
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
			w/o FILT. 15					SW	0 - 3.5 SAND: light gray,	
	0-3		w/ FILT. 15						fine grained, loose	
			NET 0					SC SW		
5	3-6		0						3.5 - 3.8 SANDY CLAY orange/brown - red mottling, med dense.	
	6-9								3.8-4 SAND dark gray, fine grained, loose	
10									water sample from 28-32 ft bls	
15										
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-6

PROJECT NO: 0019	PROJECT NAME: NDI SHOP- BUILDING 794
PROJECT LOCATION: NADEP- NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1415 1430
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-2 SAND Fine grained, gray, loose	
								SC	2-2.2 SANDY CLAY orange brown, ~~dense~~ med. stiff	
5	3-6		0					SW	2.2-4 SAND Gray, fine grained, loose	
	6-9								water sample from 28-32 ft bls	
10									ora-FID grab sample from 2 ft + 4 ft bls	
15										
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-7

PROJECT NO: 0019	PROJECT NAME: NDI SHOP- BUILDING 794
PROJECT LOCATION: NADEP- NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1455 1520
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-3 SAND: (.6 ft limerock road base under asphalt) fine grained, loose, med brown-dark gray.	
								SW		
5	3-6		0						3-3.2 SANDY CLAY: orange brown, med. dense	
	6-9								3.2-4.0 SAND fine grained, light tan-white, loose	
10										
15									GWTR from 28.32	
20									QA-FD from 2+4 composite	
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-8

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1605 1630
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE / DIRECT PUSH TECHNOLOGY	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-4 SAND; fine grained, med gray - light brown, loose. Clayey streak at 3.0-3.2	
5	3-6		0							
	6-9								OVAF10 from 2ft + 4ft	
10									Groundwater sample from ~~28-32~~ GRB 24-28	
15										
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-~~8~~9

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1550 1605
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE / DIRECT PUSH TECHNOLOGY	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-4 SAND fine grained,	
								SW	med brown, .2 ft limerock	
5									at top, loose	
	3-6		0					SW	streak of sandy clay	
									at 2 ft bls	
	6-9									
10									groundwater sample	
									at 28-32	
									OVA-FID grabs at 2ft +	
15									4ft in pt. mason jar.	
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-10

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1700 1720
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet
DRILLING METHOD: GEOPROBE / DIRECT PUSH TECHNOLOGY	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

USPROBE SHANE, PAT

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-4 SAND Fine grained, med brown - med gray, ~~clayey~~ Sandy clay streak at 3.4-3.6, loose	
5	3-6		0						Groundwater sample 24-26 ft bls	
	6-9								OVA-FID grabs from 2 ft + 4 ft	
10										
15										
20										
25										
30										
35										
40										

SOUTHNAVFAC

LOG OF BORING B794 SB-4/11

PROJECT NO: 0019	PROJECT NAME: NDI SHOP - BUILDING 794
PROJECT LOCATION: NADEP - NAS JACKSONVILLE	DATE DRILLED: 12/8/98 1010 - 1210
DRILLING COMPANY: US PROBE & DRILLING	SURFACE ELEVATION: Feet -
DRILLING METHOD: GEOPROBE (DIRECT PUSH TECHNOLOGY)	BORING DIAMETER: Inches 2
DRILLING RIG: GEOPROBE	GEOLOGIST: RICK OFSANKO

US PROBE SHAWN, ~~RAT~~

DEPTH feet	SAMPLE NUMBER	BLOWS/FT.	PID (ppm) Sample	B. Zone	Borehole	Drill B. Z.	GRAPHIC LOG	USCS/RQD	GEOLOGIC DESCRIPTION Density/Consistency, Hardness, Color	WELL DIAGRAM
	0-3		0					SW	0-4 SAND. Med-light brown, fine grained qtz, loose, well sorted. 1" thick stiff clay at 2 ft bls.	
5	3-6		0					SW	4-8 SAND: fine grained qtz, light brown to light gray, loose	
10	6-9		0						8-12 SAND. ~~Sand~~ gray-brown, Clayey sand from 9-10 ft bls, 10-12 clean white sand, loose.	
15			0					SC	12-~~16~~ 14 SAND: med grained, loose, white to gray ~~CLAYEY SAND~~	
20			0					SC	14-16 SANDY CLAY: orange brown, stiff to v. stiff	
25									16-20 SANDY CLAY/CLAYEY SAND: Gray to orange sand is med. dense, clay is med stiff.	
30									OVA-FID Samples collected as composites each 4 ft interval. 1 pt. Mason jars per TTNUS COAP. Gwtr via peristaltic w/ dedicated masterflex tubing	
35										
40										

APPENDIX B

HEADSPACE METHODOLOGY FOR DETERMINING SOIL ORGANIC VAPOR CONCENTRATIONS

Soil headspace readings where obtained utilizing the following method which conforms to the requirements of Rule 62-770.200(2), FAC.

Two 16-ounce glass soil jars were half-filled with soil sample (duplicate samples). The soil jars were then sealed utilizing "mason jar" type open top screw on caps with foil in place of the conventional solid jar tops. The soil samples were allowed to equilibrate to ambient temperatures that were within the FDEP temperature range.

The samples were tested with a Foxboro Century 128, an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). Prior to each day's activities, the OVA was field calibrated with 109 ppm methane in air, in accordance with the manufacturers specifications. Sample testing was performed by inserting the OVA probe through the foil sample cover and recording the highest OVA reading. Following collection of this OVA reading, the OVA was fitted with a granular activated carbon filter probe. The OVA was then used to test the headspace above the duplicate sample. Carbon absorbs petroleum hydrocarbons and thus the filtered reading is assumed to represent naturally occurring organic vapors.

Upon completion of the screening exercise, the carbon-filtered result was subtracted from the un-filtered result, to obtain a net petroleum vapor value. In accordance with Rule (62) 770.200(2), F.A.C., and Guidelines for Assessment and Remediation of Petroleum Contaminated Soil corrected headspace levels in excess of 50 ppm is defined as excessively contaminated soil for the kerosene analytical group. Corrected headspace levels in excess of 10 ppm but less than 500 ppm are considered as contaminated, though not excessively contaminated.

APPENDIX C

GROUNDWATER AND SOIL SAMPLING ANALYTICAL RESULTS

ACCUTEST

01/05/99

Technical Report for

Tetra Tech, NUS

NAS Cecil Field

0019/Building 794-NADEP

Accutest Job Number: F3330

Report to:

Tetra Tech NUS, Inc.
455 Fairway Drive
Suite 200
Deerfield Beach, FL 33441

ATTN: Rick Ofsanko

Total number of pages in report: 63

Harry Behzadi, Ph.D.
Laboratory Director

Results relate only to the items tested.
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

ACCUTEST

Sample Summary

Tetra Tech, NUS

Date: 01/05/99
Job No: F3330

NAS Cecil Field
Project No: 0019/Building 794-NADEP

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F3330-1	12/08/98	09:45 RO	12/10/98	AQ	Ground Water	B794-GW-GP01
F3330-2	12/08/98	10:20 RO	12/10/98	AQ	Ground Water	B794-GW-GP02
F3330-3	12/08/98	10:55 RO	12/10/98	AQ	Ground Water	B794-GW-GP03
F3330-4	12/08/98	13:30 RO	12/10/98	AQ	Ground Water	B794-GW-GP04
F3330-5	12/08/98	14:05 RO	12/10/98	AQ	Ground Water	B794-GW-GP05
F3330-6	12/08/98	14:30 RO	12/10/98	AQ	Ground Water	B794-GW-GP06
F3330-7	12/08/98	15:20 RO	12/10/98	AQ	Ground Water	B794-GW-GP07
F3330-8	12/08/98	16:30 RO	12/10/98	AQ	Ground Water	B794-GW-GP08
F3330-9	12/08/98	16:05 RO	12/10/98	AQ	Ground Water	B794-GW-GP09
F3330-10	12/08/98	17:20 RO	12/10/98	AQ	Ground Water	B794-GW-GP10
F3330-11	12/08/98	12:10 RO	12/10/98	AQ	Ground Water	B794-GW-GP11

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01987.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007907.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007907.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	84%		75-125%
75-29-6	2-Chloropropane	84%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	94%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	79%		75-125%
462-06-6	Fluorobenzene	92%		75-125%
98-08-8	aaa-Trifluorotoluene	95%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02691.D	1	12/14/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	55%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP01		
Lab Sample ID:	F3330-1	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0090	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01988.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007908.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007908.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	99%		75-125%
75-29-6	2-Chloropropane	98%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%		75-125%
462-06-6	Fluorobenzene	104%		75-125%
98-08-8	aaa-Trifluorotoluene	105%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02692.D	1	12/14/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.2	ug/l	
208-96-8	Acenaphthylene	ND	1.2	ug/l	
120-12-7	Anthracene	ND	1.2	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.17	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.17	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.17	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.17	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.17	ug/l	
218-01-9	Chrysene	ND	0.17	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.17	ug/l	
206-44-0	Fluoranthene	ND	1.2	ug/l	
86-73-7	Fluorene	ND	1.2	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.17	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.2	ug/l	
91-20-3	Naphthalene	ND	1.2	ug/l	
85-01-8	Phenanthrene	ND	1.2	ug/l	
129-00-0	Pyrene	ND	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	48%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP02		
Lab Sample ID:	F3330-2	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	<0.0030	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01989.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007910.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	2.4	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007910.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	97%		75-125%
75-29-6	2-Chloropropane	99%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	95%		75-125%
462-06-6	Fluorobenzene	104%		75-125%
98-08-8	aaa-Trifluorotoluene	105%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02693.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP03		
Lab Sample ID:	F3330-3	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0088	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01990.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007911.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007911.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	97%		75-125%
75-29-6	2-Chloropropane	97%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	103%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	85%		75-125%
462-06-6	Fluorobenzene	105%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02694.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP04		
Lab Sample ID:	F3330-4	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By	Method
Lead	0.0746	0.0030	mg/l	1	12/16/98	12/17/98 JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01992.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007912.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007912.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	100%		75-125%
75-29-6	2-Chloropropane	95%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	103%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%		75-125%
462-06-6	Fluorobenzene	105%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02695.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.17	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.17	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.17	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.17	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.17	ug/l	
218-01-9	Chrysene	ND	0.17	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.17	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.17	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP05		
Lab Sample ID:	F3330-5	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0231	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01993.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007913.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007913.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	95%		75-125%
75-29-6	2-Chloropropane	100%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	87%		75-125%
462-06-6	Fluorobenzene	105%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02697.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	ug/l	
208-96-8	Acenaphthylene	ND	1.0	ug/l	
120-12-7	Anthracene	ND	1.0	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.0	ug/l	
86-73-7	Fluorene	ND	1.0	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	1.0	ug/l	
85-01-8	Phenanthrene	ND	1.0	ug/l	
129-00-0	Pyrene	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	42%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP06		
Lab Sample ID:	F3330-6	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0321	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01994.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007914.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	4.8	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007914.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	101%		75-125%
75-29-6	2-Chloropropane	98%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	103%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%		75-125%
462-06-6	Fluorobenzene	105%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02698.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP07		
Lab Sample ID:	F3330-7	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0128	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01995.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF007915.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	0.90	1.0	ug/l	J
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	13.4	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF007915.D	1	12/10/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	97%		75-125%
75-29-6	2-Chloropropane	95%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%		75-125%
462-06-6	Fluorobenzene	104%		75-125%
98-08-8	aaa-Trifluorotoluene	105%		75-125%

(a) Confirmed by GC/MS

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02699.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	ug/l	
208-96-8	Acenaphthylene	ND	1.0	ug/l	
120-12-7	Anthracene	ND	1.0	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.15	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.15	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.15	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.15	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.15	ug/l	
218-01-9	Chrysene	ND	0.15	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.15	ug/l	
206-44-0	Fluoranthene	ND	1.0	ug/l	
86-73-7	Fluorene	ND	1.0	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.15	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	1.0	ug/l	
85-01-8	Phenanthrene	ND	1.0	ug/l	
129-00-0	Pyrene	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP08		
Lab Sample ID:	F3330-8	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed By		Method
Lead	0.0212	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01996.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007916.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007916.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	110%		75-125%
75-29-6	2-Chloropropane	98%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	86%		75-125%
462-06-6	Fluorobenzene	106%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02700.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	ug/l	
208-96-8	Acenaphthylene	ND	1.0	ug/l	
120-12-7	Anthracene	ND	1.0	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.15	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.15	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.15	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.15	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.15	ug/l	
218-01-9	Chrysene	ND	0.15	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.15	ug/l	
206-44-0	Fluoranthene	ND	1.0	ug/l	
86-73-7	Fluorene	ND	1.0	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.15	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	ug/l	
91-20-3	Naphthalene	ND	1.0	ug/l	
85-01-8	Phenanthrene	ND	1.0	ug/l	
129-00-0	Pyrene	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP09		
Lab Sample ID:	F3330-9	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0327	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01997.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007917.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF007917.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	101%		75-125%
75-29-6	2-Chloropropane	99%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	104%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	85%		75-125%
462-06-6	Fluorobenzene	105%		75-125%
98-08-8	aaa-Trifluorotoluene	106%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02701.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.16	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.16	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.16	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.16	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.16	ug/l	
218-01-9	Chrysene	ND	0.16	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.16	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.16	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP10		
Lab Sample ID:	F3330-10	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.0169	0.0030	mg/l	1	12/16/98	12/17/98	JK	EPA 200.7

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0007284.D	1	12/11/98	RAW	n/a	n/a	VG171
Run #2							

VOA TCL List

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
75-15-0	Carbon disulfide	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	5.2	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	ug/l	
74-83-9	Methyl bromide	ND	5.0	ug/l	
74-87-3	Methyl chloride	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	ug/l	
100-42-5	Styrene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	10	ug/l	
1330-20-7	Xylene (total)	ND	6.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0007284.D	1	12/11/98	RAW	n/a	n/a	VG171
Run #2							

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-116%
17060-07-0	1,2-Dichloroethane-D4	86%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	100%		86-115%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 3510C/8270C	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H003704.D	1	12/12/98	NF	12/11/98	OP607	SH175
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic Acid	ND	50	ug/l	
95-57-8	2-Chlorophenol	ND	10	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	50	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
	3&4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	50	ug/l	
87-86-5	Pentachlorophenol	ND	50	ug/l	
108-95-2	Phenol	ND	10	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	10	ug/l	
208-96-8	Acenaphthylene	ND	10	ug/l	
120-12-7	Anthracene	ND	10	ug/l	
56-55-3	Benzo(a)anthracene	ND	10	ug/l	
50-32-8	Benzo(a)pyrene	ND	10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	10	ug/l	
218-01-9	Chrysene	ND	10	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	

ND = Not detected
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 3510C/8270C	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H003704.D	1	12/12/98	NF	12/11/98	OP607	SH175
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/l	
132-64-9	Dibenzofuran	ND	10	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	10	ug/l	
86-73-7	Fluorene	ND	10	ug/l	
118-74-1	Hexachlorobenzene	ND	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/l	
78-59-1	Isophorone	ND	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	10	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
98-95-3	Nitrobenzene	ND	10	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	10	ug/l	
129-00-0	Pyrene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		21-100%
4165-62-2	Phenol-d5	51%		10-94%
118-79-6	2,4,6-Tribromophenol	100%		10-123%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 3510C/8270C	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H003704.D	1	12/12/98	NF	12/11/98	OP607	SH175
Run #2							

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	100%		35-114%
321-60-8	2-Fluorobiphenyl	96%		43-116%
1718-51-0	Terphenyl-d14	107%		33-141%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	EPA 504.1	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN01998.D	1	12/10/98	SKW	n/a	n/a	GMN89
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF007918.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	4.8	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8021B	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF007918.D	1	12/11/98	JG	n/a	n/a	GEF196
Run #2							

VOA PPL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
74-97-5	Bromochloromethane	107%		75-125%
75-29-6	2-Chloropropane	100%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	106%		75-125%
625-98-9	1-Chloro-3-fluorobenzene	90%		75-125%
462-06-6	Fluorobenzene	108%		75-125%
98-08-8	aaa-Trifluorotoluene	109%		75-125%

(a) Confirmed by GC/MS

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	FLORIDA-PRO	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P02702.D	1	12/15/98	NF	12/14/98	OP605	GOP129
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		40-140%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	n/a
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/20/98	AMA	12/15/98	M:OP949	M:GC808
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	1.1	ug/l	
208-96-8	Acenaphthylene	ND	1.1	ug/l	
120-12-7	Anthracene	ND	1.1	ug/l	
56-55-3	Benzo (a) anthracene	ND	0.17	ug/l	
50-32-8	Benzo (a) pyrene	ND	0.17	ug/l	
205-99-2	Benzo (b) fluoranthene	ND	0.17	ug/l	
191-24-2	Benzo (g,h,i) perylene	ND	0.17	ug/l	
207-08-9	Benzo (k) fluoranthene	ND	0.17	ug/l	
218-01-9	Chrysene	ND	0.17	ug/l	
53-70-3	Dibenz(a,h)anthracene	ND	0.17	ug/l	
206-44-0	Fluoranthene	ND	1.1	ug/l	
86-73-7	Fluorene	ND	1.1	ug/l	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	0.17	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	ug/l	
91-20-3	Naphthalene	ND	1.1	ug/l	
85-01-8	Phenanthrene	ND	1.1	ug/l	
129-00-0	Pyrene	ND	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		20-160%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY RECORD

00888

PROJECT NO.: 0019

SITE NAME: BUILDING 794 - NADEP

SAMPLERS (SIGNATURE): RICK OFSANKO

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8021B	8310	504	FL-PRO	239.2 (LEAD) + P	8 RCRA METALS	TCL VOA (8260)	TCL SVOA (8270)	REMARKS
	12/8/98	0945		X	B794-GW-GP01	8	2	1	3	1	1				A3380_1
	"	1020		X	B794-GW-GP02	8	2	1	3	1	1				-2
	"	1055		X	B794-GW-GP03	8	2	1	3	1	1				-3
	"	1330		X	B794-GW-GP04	8	2	1	3	1	1				-4
	"	1405		X	B794-GW-GP05	8	2	1	3	1	1				-5
	"	1430		X	B794-GW-GP06	8	2	1	3	1	1				-6
	"	1520		X	B794-GW-GP07	8	2	1	3	1	1				-7
	"	1630		X	B794-GW-GP08	8	2	1	3	1	1				-8
	"	1605		X	B794-GW-GP09	8	2	1	3	1	1				-9
	"	1720		X	B794-GW-GP10	8	2	1	3	1	1				-10
	"	1210		X	B794-GW-GP11	10	2	1	3	1	1	*	1	1	* analyses included w/ 239.2 -11

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rick Ofsanko	12/8/98 1900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		[illegible]	12/10/98		

Order No. 70440 (0693)

QA/QC DATA

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP605-BS2	P02690.D	1	12/14/98	NF	12/14/98	OP605	GOP129

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C8-C40)	1.7	1.24	73	50-135

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	40-140%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP605-MB2	P02689.D	1	12/14/98	NF	12/14/98	OP605	GOP129

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	101%	40-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP605-MS	P02609.D	5	12/09/98	NF	12/05/98	OP605	GOP125
OP605-MSD	P02610.D	5	12/09/98	NF	12/05/98	OP605	GOP125
F3290-2	P02606.D	5	12/09/98	NF	12/05/98	OP605	GOP125

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	F3290-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C8-C40)	10.8		1.7	12.4	94	11.7	53	6	50-135/25

CAS No.	Surrogate Recoveries	MS	MSD	F3290-2	Limits
84-15-1	o-Terphenyl	89%	83%	99%	40-140%

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-BS	EF007956.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.7	98	69-120
75-27-4	Bromodichloromethane	20	20.6	103	54-120
75-25-2	Bromoform	20	21.4	107	34-126
74-83-9	Bromomethane	20	24.9	124	47-150
56-23-5	Carbon tetrachloride	20	21.0	105	48-124
108-90-7	Chlorobenzene	20	20.9	104	74-129
124-48-1	Dibromochloromethane	20	21.6	108	57-131
75-00-3	Chloroethane	20	24.5	122	43-150
110-75-8	2-Chloroethylvinyl ether	20	17.4	87	67-135
67-66-3	Chloroform	20	21.1	106	48-125
74-87-3	Chloromethane	20	25.6	128	53-150
95-50-1	1,2-Dichlorobenzene	20	19.8	99	71-131
541-73-1	1,3-Dichlorobenzene	20	19.8	99	70-125
106-46-7	1,4-Dichlorobenzene	20	19.6	98	73-127
75-71-8	Dichlorodifluoromethane	20	28.2	141	50-150
75-34-3	1,1-Dichloroethane	20	21.9	110	51-136
107-06-2	1,2-Dichloroethane	20	21.0	105	50-144
75-35-4	1,1-Dichloroethene	20	21.4	107	72-148
156-59-2	cis-1,2-Dichloroethene	20	22.0	110	50-150
156-60-5	trans-1,2-Dichloroethene	20	22.3	112	60-128
78-87-5	1,2-Dichloropropane	20	20.4	102	57-121
10061-01-5	cis-1,3-Dichloropropene	20	21.4	107	55-120
10061-02-6	trans-1,3-Dichloropropene	20	21.8	109	49-121
100-41-4	Ethylbenzene	20	20.5	102	83-121
75-09-2	Methylene chloride	20	21.6	108	58-130
1634-04-4	Methyl Tert Butyl Ether	20	22.8	114	72-131
79-34-5	1,1,2,2-Tetrachloroethane	20	21.9	110	25-135
127-18-4	Tetrachloroethene	20	20.8	104	54-127
108-88-3	Toluene	20	20.4	102	62-125
71-55-6	1,1,1-Trichloroethane	20	20.5	102	63-120
79-00-5	1,1,2-Trichloroethane	20	20.7	104	49-133
79-01-6	Trichloroethene	20	20.4	102	30-170
75-69-4	Trichlorofluoromethane	20	26.7	134	54-147
75-01-4	Vinyl chloride	20	25.5	128	39-164
1330-20-7	Xylenes (total)	60	60.1	100	77-118

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-BS	EF007956.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Surrogate Recoveries	BSP	Limits
74-97-5	Bromochloromethane	106%	75-125%
75-29-6	2-Chloropropane	107%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	100%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	107%	75-125%
462-06-6	Fluorobenzene	99%	75-125%
98-08-8	aaa-Trifluorotoluene	102%	75-125%

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GMN89-BS2	MN01985.D	1	12/10/98	SKW	n/a	n/a	GMN89

The QC reported here applies to the following samples: **Method:** EPA 504.1

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.28	112	70-130

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB1	EF007898.D	1	12/10/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB1	EF007898.D	1	12/10/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Surrogate Recoveries		Limits
74-97-5	Bromochloromethane	100%	75-125%
75-29-6	2-Chloropropane	102%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	103%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	89%	75-125%
462-06-6	Fluorobenzene	105%	75-125%
98-08-8	aaa-Trifluorotoluene	105%	75-125%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GMN89-MB2	MN01984.D	1	12/10/98	SKW	n/a	n/a	GMN89

The QC reported here applies to the following samples: **Method:** EPA 504.1

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	Result	RDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F3330-5MS	EF007954.D	1	12/17/98	JG	n/a	n/a	GEF196
F3330-5MSD	EF007955.D	1	12/17/98	JG	n/a	n/a	GEF196
F3330-5	EF007912.D	1	12/10/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Compound	F3330-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.4	97	19.6	98	1	69-120/12
75-27-4	Bromodichloromethane	ND		20	20.7	104	20.7	104	0	54-120/17
75-25-2	Bromoform	ND		20	19.5	98	22.3	112	13	34-126/23
74-83-9	Bromomethane	ND		20	23.9	120	26.0	130	8	47-150/26
56-23-5	Carbon tetrachloride	ND		20	20.4	102	20.8	104	2	48-124/19
108-90-7	Chlorobenzene	ND		20	20.5	102	20.8	104	1	74-129/14
124-48-1	Dibromochloromethane	ND		20	20.4	102	21.6	108	6	57-131/19
75-00-3	Chloroethane	ND		20	23.6	118	24.8	124	5	43-150/26
110-75-8	2-Chloroethylvinyl ether	ND		20	ND	0*	ND	0*	nc	67-135/11
67-66-3	Chloroform	ND		20	20.2	101	21.1	106	4	48-125/19
74-87-3	Chloromethane	ND		20	23.1	116	25.4	127	9	53-150/14
95-50-1	1,2-Dichlorobenzene	ND		20	20.7	104	21.6	108	4	71-131/15
541-73-1	1,3-Dichlorobenzene	ND		20	20.7	104	21.7	108	5	70-125/14
106-46-7	1,4-Dichlorobenzene	ND		20	20.4	102	21.0	105	3	73-127/14
75-71-8	Dichlorodifluoromethane	ND		20	26.6	133	28.2	141	6	50-150/30
75-34-3	1,1-Dichloroethane	ND		20	21.3	106	21.7	108	2	51-136/21
107-06-2	1,2-Dichloroethane	ND		20	20.4	102	21.7	108	6	50-144/23
75-35-4	1,1-Dichloroethene	ND		20	20.1	100	21.2	106	5	72-148/19
156-59-2	cis-1,2-Dichloroethene	ND		20	21.2	106	21.7	108	2	50-150/30
156-60-5	trans-1,2-Dichloroethene	ND		20	21.4	107	22.0	110	3	60-128/17
78-87-5	1,2-Dichloropropane	ND		20	20.2	101	20.0	100	1	57-121/16
10061-01-5	cis-1,3-Dichloropropene	ND		20	21.0	105	20.7	104	1	55-120/16
10061-02-6	trans-1,3-Dichloropropene	ND		20	21.0	105	21.5	108	2	49-121/18
100-41-4	Ethylbenzene	ND		20	20.6	103	20.7	104	0	83-121/10
75-09-2	Methylene chloride	ND		20	21.3	106	22.1	110	4	58-130/13
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.5	102	22.4	112	9	72-131/15
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	20.0	100	23.1	116	14	25-135/28
127-18-4	Tetrachloroethene	ND		20	20.0	100	20.5	102	2	54-127/18
108-88-3	Toluene	ND		20	20.1	100	20.5	102	2	62-125/16
71-55-6	1,1,1-Trichloroethane	ND		20	20.6	103	20.8	104	1	63-120/12
79-00-5	1,1,2-Trichloroethane	ND		20	19.6	98	20.9	104	6	49-133/21
79-01-6	Trichloroethene	ND		20	20.3	102	19.9	100	2	33-170/34
75-69-4	Trichlorofluoromethane	ND		20	24.6	123	25.9	130	5	54-147/16
75-01-4	Vinyl chloride	ND		20	23.7	118	26.2	131	10	39-164/21
1330-20-7	Xylenes (total)	ND		60	60.8	101	61.6	103	1	77-118/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F3330-5MS	EF007954.D	1	12/17/98	JG	n/a	n/a	GEF196
F3330-5MSD	EF007955.D	1	12/17/98	JG	n/a	n/a	GEF196
F3330-5	EF007912.D	1	12/10/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

F3330-1, F3330-2, F3330-3, F3330-4, F3330-5, F3330-6, F3330-7, F3330-8, F3330-9, F3330-10, F3330-11

CAS No.	Surrogate Recoveries	MS	MSD	F3330-5	Limits
74-97-5	Bromochloromethane	102%	108%	100%	75-125%
75-29-6	2-Chloropropane	104%	110%	95%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	102%	104%	103%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	107%	110%	88%	75-125%
462-06-6	Fluorobenzene	99%	101%	105%	75-125%
98-08-8	aaa-Trifluorotoluene	102%	104%	106%	75-125%

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-BS2	H003700.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	32.0	32	10-125
95-57-8	2-Chlorophenol	100	86.7	87	33-125
59-50-7	4-Chloro-3-methyl phenol	100	90.2	90	56-125
120-83-2	2,4-Dichlorophenol	100	95.4	95	52-125
105-67-9	2,4-Dimethylphenol	100	95.0	95	10-143
51-28-5	2,4-Dinitrophenol	100	96.2	96	27-128
534-52-1	4,6-Dinitro-o-cresol	100	102	102	54-140
95-48-7	2-Methylphenol	100	84.3	84	28-125
	3&4-Methylphenol	100	76.0	76	28-125
88-75-5	2-Nitrophenol	100	98.6	99	35-127
100-02-7	4-Nitrophenol	100	49.5	50	19-125
87-86-5	Pentachlorophenol	100	90.7	91	33-157
108-95-2	Phenol	100	43.9	44	19-125
95-95-4	2,4,5-Trichlorophenol	100	96.0	96	60-125
88-06-2	2,4,6-Trichlorophenol	100	96.9	97	61-125
83-32-9	Acenaphthene	100	93.0	93	57-125
208-96-8	Acenaphthylene	100	110	110	59-125
120-12-7	Anthracene	100	96.7	97	64-125
56-55-3	Benzo(a)anthracene	100	98.5	98	60-125
50-32-8	Benzo(a)pyrene	100	104	104	66-115
205-99-2	Benzo(b)fluoranthene	100	96.4	96	39-126
191-24-2	Benzo(g,h,i)perylene	100	102	102	39-146
207-08-9	Benzo(k)fluoranthene	100	93.8	94	45-127
101-55-3	4-Bromophenyl phenyl ether	100	82.6	83	44-125
85-68-7	Butyl benzyl phthalate	100	112	112	46-142
100-51-6	Benzyl Alcohol	100	79.8	80	28-125
91-58-7	2-Chloronaphthalene	100	93.5	94	49-125
106-47-8	4-Chloroaniline	100	78.4	78	12-125
86-74-8	Carbazole	100	97.5	98	58-125
218-01-9	Chrysene	100	89.6	90	62-125
111-91-1	bis(2-Chloroethoxy)methane	100	98.1	98	38-128
111-44-4	bis(2-Chloroethyl)ether	100	89.8	90	43-145
108-60-1	bis(2-Chloroisopropyl)ether	100	102	102	19-125
7005-72-3	4-Chlorophenyl phenyl ether	100	90.8	91	53-125
95-50-1	1,2-Dichlorobenzene	100	83.7	84	36-125
541-73-1	1,3-Dichlorobenzene	100	83.4	83	31-125

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-BS2	H003700.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	100	84.0	84	33-125
121-14-2	2,4-Dinitrotoluene	100	99.3	99	56-145
606-20-2	2,6-Dinitrotoluene	100	102	102	54-145
91-94-1	3,3'-Dichlorobenzidine	100	94.2	94	12-146
53-70-3	Dibenzo(a,h)anthracene	100	44.0	44	39-134
132-64-9	Dibenzofuran	100	91.7	92	60-125
84-74-2	Di-n-butyl phthalate	100	94.8	95	56-125
117-84-0	Di-n-octyl phthalate	100	107	107	30-133
84-66-2	Diethyl phthalate	100	87.8	88	51-125
131-11-3	Dimethyl phthalate	100	81.1	81	15-125
117-81-7	bis(2-Ethylhexyl)phthalate	100	118	118	34-142
206-44-0	Fluoranthene	100	97.9	98	56-135
86-73-7	Fluorene	100	88.0	88	58-125
118-74-1	Hexachlorobenzene	100	92.5	92	50-145
87-68-3	Hexachlorobutadiene	100	90.8	91	28-125
77-47-4	Hexachlorocyclopentadiene	100	122	122	17-140
67-72-1	Hexachloroethane	100	90.5	90	18-157
193-39-5	Indeno(1,2,3-cd)pyrene	100	98.6	99	53-134
78-59-1	Isophorone	100	101	101	44-125
91-57-6	2-Methylnaphthalene	100	86.0	86	35-125
88-74-4	2-Nitroaniline	100	102	102	54-125
99-09-2	3-Nitroaniline	100	93.2	93	44-125
100-01-6	4-Nitroaniline	100	108	108	44-125
91-20-3	Naphthalene	100	88.8	89	22-131
98-95-3	Nitrobenzene	100	89.6	90	37-125
621-64-7	N-Nitroso-di-n-propylamine	100	89.5	90	45-125
86-30-6	N-Nitrosodiphenylamine	100	95.9	96	61-127
85-01-8	Phenanthrene	100	90.6	91	64-125
129-00-0	Pyrene	100	94.8	95	47-142
120-82-1	1,2,4-Trichlorobenzene	100	87.9	88	36-125

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	66%	21-100%
4165-62-2	Phenol-d5	44%	10-94%

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-BS2	H003700.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	95%	10-123%
4165-60-0	Nitrobenzene-d5	105%	35-114%
321-60-8	2-Fluorobiphenyl	99%	43-116%
1718-51-0	Terphenyl-d14	101%	33-141%

Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-DUP	H003736.D	1	12/17/98	NF	12/17/98	OP607	SH177
F3368-2	H003735.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	F3368-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
65-85-0	Benzoic Acid	ND		ND		0	
95-57-8	2-Chlorophenol	ND		ND		0	
59-50-7	4-Chloro-3-methyl phenol	ND		ND		0	
120-83-2	2,4-Dichlorophenol	ND		ND		0	
105-67-9	2,4-Dimethylphenol	ND		ND		0	
51-28-5	2,4-Dinitrophenol	ND		ND		0	
534-52-1	4,6-Dinitro-o-cresol	ND		ND		0	
95-48-7	2-Methylphenol	ND		ND		0	
	3&4-Methylphenol	ND		ND		0	
88-75-5	2-Nitrophenol	ND		ND		0	
100-02-7	4-Nitrophenol	ND		ND		0	
87-86-5	Pentachlorophenol	ND		ND		0	
108-95-2	Phenol	ND		ND		0	
95-95-4	2,4,5-Trichlorophenol	ND		ND		0	
88-06-2	2,4,6-Trichlorophenol	ND		ND		0	
83-32-9	Acenaphthene	ND		ND		0	
208-96-8	Acenaphthylene	ND		ND		0	
120-12-7	Anthracene	ND		ND		0	
56-55-3	Benzo(a)anthracene	ND		ND		0	
50-32-8	Benzo(a)pyrene	ND		ND		0	
205-99-2	Benzo(b)fluoranthene	ND		ND		0	
191-24-2	Benzo(g,h,i)perylene	ND		ND		0	
207-08-9	Benzo(k)fluoranthene	ND		ND		0	
101-55-3	4-Bromophenyl phenyl ether	ND		ND		0	
85-68-7	Butyl benzyl phthalate	8.1	J	9.5	J	16	
100-51-6	Benzyl Alcohol	ND		ND		0	
91-58-7	2-Chloronaphthalene	ND		ND		0	
106-47-8	4-Chloroaniline	ND		ND		0	
86-74-8	Carbazole	ND		ND		0	
218-01-9	Chrysene	ND		ND		0	
111-91-1	bis(2-Chloroethoxy)methane	ND		ND		0	
111-44-4	bis(2-Chloroethyl)ether	ND		ND		0	
108-60-1	bis(2-Chloroisopropyl)ether	ND		ND		0	
7005-72-3	4-Chlorophenyl phenyl ether	ND		ND		0	
95-50-1	1,2-Dichlorobenzene	ND		ND		0	
541-73-1	1,3-Dichlorobenzene	ND		ND		0	

Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-DUP	H003736.D	1	12/17/98	NF	12/17/98	OP607	SH177
F3368-2	H003735.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	F3368-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-46-7	1,4-Dichlorobenzene	ND		ND		0	
121-14-2	2,4-Dinitrotoluene	ND		ND		0	
606-20-2	2,6-Dinitrotoluene	ND		ND		0	
91-94-1	3,3'-Dichlorobenzidine	ND		ND		0	
53-70-3	Dibenzo(a,h)anthracene	ND		ND		0	
132-64-9	Dibenzofuran	ND		ND		0	
84-74-2	Di-n-butyl phthalate	ND		ND		0	
117-84-0	Di-n-octyl phthalate	ND		ND		0	
84-66-2	Diethyl phthalate	ND		ND		0	
131-11-3	Dimethyl phthalate	ND		ND		0	
117-81-7	bis(2-Ethylhexyl)phthalate	ND		ND		0	
206-44-0	Fluoranthene	ND		ND		0	
86-73-7	Fluorene	ND		ND		0	
118-74-1	Hexachlorobenzene	ND		ND		0	
87-68-3	Hexachlorobutadiene	ND		ND		0	
77-47-4	Hexachlorocyclopentadiene	ND		ND		0	
67-72-1	Hexachloroethane	ND		ND		0	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		0	
78-59-1	Isophorone	ND		ND		0	
91-57-6	2-Methylnaphthalene	ND		ND		0	
88-74-4	2-Nitroaniline	ND		ND		0	
99-09-2	3-Nitroaniline	ND		ND		0	
100-01-6	4-Nitroaniline	ND		ND		0	
91-20-3	Naphthalene	ND		ND		0	
98-95-3	Nitrobenzene	ND		ND		0	
621-64-7	N-Nitroso-di-n-propylamine	ND		ND		0	
86-30-6	N-Nitrosodiphenylamine	ND		ND		0	
85-01-8	Phenanthrene	ND		ND		0	
129-00-0	Pyrene	ND		ND		0	
120-82-1	1,2,4-Trichlorobenzene	ND		ND		0	

CAS No.	Surrogate Recoveries	DUP	F3368-2	Limits
367-12-4	2-Fluorophenol	59%	58%	21-100%
4165-62-2	Phenol-d5	46%	45%	10-94%

Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-DUP	H003736.D	1	12/17/98	NF	12/17/98	OP607	SH177
F3368-2	H003735.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Surrogate Recoveries	DUP	F3368-2	Limits
118-79-6	2,4,6-Tribromophenol	83%	84%	10-123%
4165-60-0	Nitrobenzene-d5	94%	98%	35-114%
321-60-8	2-Fluorobiphenyl	88%	87%	43-116%
1718-51-0	Terphenyl-d14	94%	94%	33-141%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB2	H003701.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic Acid	ND	50	ug/l	
95-57-8	2-Chlorophenol	ND	10	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	50	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
	3&4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	50	ug/l	
87-86-5	Pentachlorophenol	ND	50	ug/l	
108-95-2	Phenol	ND	10	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	10	ug/l	
208-96-8	Acenaphthylene	ND	10	ug/l	
120-12-7	Anthracene	ND	10	ug/l	
56-55-3	Benzo(a)anthracene	ND	10	ug/l	
50-32-8	Benzo(a)pyrene	ND	10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	10	ug/l	
218-01-9	Chrysene	ND	10	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB2	H003701.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/l	
132-64-9	Dibenzofuran	ND	10	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	10	ug/l	
86-73-7	Fluorene	ND	10	ug/l	
118-74-1	Hexachlorobenzene	ND	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/l	
78-59-1	Isophorone	ND	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	10	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
98-95-3	Nitrobenzene	ND	10	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	10	ug/l	
129-00-0	Pyrene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	68%	21-100%
4165-62-2	Phenol-d5	49%	10-94%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB2	H003701.D	1	12/12/98	NF	12/11/98	OP607	SH175

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	97%	10-123%
4165-60-0	Nitrobenzene-d5	105%	35-114%
321-60-8	2-Fluorobiphenyl	94%	43-116%
1718-51-0	Terphenyl-d14	108%	33-141%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MS	H003664.D	1	12/07/98	NF	12/07/98	OP607	SH173
OP607-MSD	H003665.D	1	12/07/98	NF	12/07/98	OP607	SH173
F3269-2	H003663.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	F3269-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		100	48.0	48	47.0	47	2	10-125/31
95-57-8	2-Chlorophenol	ND		100	88.1	88	88.9	89	1	33-125/42
59-50-7	4-Chloro-3-methyl phenol	ND		100	95.4	95	95.8	96	0	56-125/29
120-83-2	2,4-Dichlorophenol	ND		100	93.7	94	95.2	95	2	52-125/40
105-67-9	2,4-Dimethylphenol	ND		100	44.0	44	44.8	45	2	10-143/22
51-28-5	2,4-Dinitrophenol	ND		100	108	108	111	111	3	27-128/25
534-52-1	4,6-Dinitro-o-cresol	ND		100	110	110	112	112	2	54-140/16
95-48-7	2-Methylphenol	ND		100	75.8	76	78.4	78	3	28-125/26
	3&4-Methylphenol	ND		100	73.3	73	74.5	74	2	28-125/35
88-75-5	2-Nitrophenol	ND		100	98.0	98	95.8	96	2	35-127/46
100-02-7	4-Nitrophenol	ND		100	64.3	64	67.7	68	5	19-125/27
87-86-5	Pentachlorophenol	ND		100	97.2	97	99.2	99	2	33-157/53
108-95-2	Phenol	ND		100	53.8	54	54.3	54	1	19-125/37
95-95-4	2,4,5-Trichlorophenol	ND		100	94.7	95	98.4	98	4	60-125/38
88-06-2	2,4,6-Trichlorophenol	ND		100	95.0	95	94.6	95	0	61-125/47
83-32-9	Acenaphthene	ND		100	91.2	91	92.9	93	2	57-125/15
208-96-8	Acenaphthylene	ND		100	107	107	107	107	0	59-125/15
120-12-7	Anthracene	ND		100	93.2	93	93.4	93	0	64-125/16
56-55-3	Benzo(a)anthracene	ND		100	96.4	96	95.9	96	0	60-125/19
50-32-8	Benzo(a)pyrene	ND		100	108	108	109	109	1	66-115/25
205-99-2	Benzo(b)fluoranthene	ND		100	108	108	109	109	1	39-126/23
191-24-2	Benzo(g,h,i)perylene	ND		100	84.7	85	82.7	83	2	39-146/33
207-08-9	Benzo(k)fluoranthene	ND		100	106	106	104	104	2	45-127/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	81.8	82	80.7	81	1	44-125/22
85-68-7	Butyl benzyl phthalate	ND		100	112	112	110	110	2	46-142/41
100-51-6	Benzyl Alcohol	ND		100	96.7	97	96.8	97	0	28-125/23
91-58-7	2-Chloronaphthalene	ND		100	89.7	90	89.9	90	0	49-125/19
106-47-8	4-Chloroaniline	ND		100	70.6	71	75.6	76	7	12-125/29
86-74-8	Carbazole	ND		100	92.8	93	93.5	94	1	58-125/15
218-01-9	Chrysene	ND		100	88.4	88	90.5	90	2	62-125/20
111-91-1	bis(2-Chloroethoxy)methane	ND		100	99.7	100	99.8	100	0	38-128/27
111-44-4	bis(2-Chloroethyl)ether	ND		100	91.9	92	94.8	95	3	43-145/28
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	101	101	103	103	2	19-125/24
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	87.2	87	88.4	88	1	53-125/10
95-50-1	1,2-Dichlorobenzene	ND		100	85.1	85	86.2	86	1	36-125/22
541-73-1	1,3-Dichlorobenzene	ND		100	83.3	83	82.4	82	1	31-125/21

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MS	H003664.D	1	12/07/98	NF	12/07/98	OP607	SH173
OP607-MSD	H003665.D	1	12/07/98	NF	12/07/98	OP607	SH173
F3269-2	H003663.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Compound	F3269-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	84.4	84	86.9	87	3	33-125/21
121-14-2	2,4-Dinitrotoluene	ND		100	101	101	103	103	2	56-145/15
606-20-2	2,6-Dinitrotoluene	ND		100	100	100	102	102	2	54-145/22
91-94-1	3,3'-Dichlorobenzidine	ND		100	26.9	27	26.3	26	2	12-146/39
53-70-3	Dibenzo(a,h)anthracene	ND		100	43.3	43	44.0	44	2	39-134/38
132-64-9	Dibenzofuran	ND		100	88.6	89	91.1	91	3	60-125/22
84-74-2	Di-n-butyl phthalate	ND		100	94.0	94	95.7	96	2	56-125/16
117-84-0	Di-n-octyl phthalate	ND		100	137	137*	140	140*	2	30-133/26
84-66-2	Diethyl phthalate	ND		100	86.2	86	89.7	90	4	51-125/11
131-11-3	Dimethyl phthalate	ND		100	85.3	85	86.3	86	1	15-125/13
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	113	113	116	116	3	34-142/41
206-44-0	Fluoranthene	ND		100	95.7	96	94.1	94	2	56-135/22
86-73-7	Fluorene	ND		100	86.4	86	88.2	88	2	58-125/16
118-74-1	Hexachlorobenzene	ND		100	90.2	90	89.6	90	1	50-145/19
87-68-3	Hexachlorobutadiene	ND		100	84.9	85	86.7	87	2	28-125/53
77-47-4	Hexachlorocyclopentadiene	ND		100	102	102	98.1	98	4	17-140/66
67-72-1	Hexachloroethane	ND		100	96.2	96	97.2	97	1	18-157/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	85.4	85	85.2	85	0	53-134/30
78-59-1	Isophorone	ND		100	99.6	100	100	100	0	44-125/21
91-57-6	2-Methylnaphthalene	ND		100	85.3	85	86.5	86	1	35-125/18
88-74-4	2-Nitroaniline	ND		100	100	100	102	102	2	54-125/20
99-09-2	3-Nitroaniline	ND		100	63.2	63	66.2	66	5	44-125/21
100-01-6	4-Nitroaniline	ND		100	88.9	89	93.7	94	5	44-125/20
91-20-3	Naphthalene	ND		100	87.4	87	87.6	88	0	22-131/26
98-95-3	Nitrobenzene	ND		100	89.6	90	89.1	89	0	37-125/22
621-64-7	N-Nitroso-di-n-propylamine	ND		100	88.8	89	89.7	90	1	45-125/21
86-30-6	N-Nitrosodiphenylamine	ND		100	79.7	80	80.7	81	1	61-127/22
85-01-8	Phenanthrene	ND		100	89.0	89	89.0	89	0	64-125/16
129-00-0	Pyrene	ND		100	88.9	89	90.4	90	2	47-142/45
120-82-1	1,2,4-Trichlorobenzene	ND		100	85.5	86	84.9	85	1	36-125/23

CAS No.	Surrogate Recoveries	MS	MSD	F3269-2	Limits
367-12-4	2-Fluorophenol	72%	75%	68%	21-100%
4165-62-2	Phenol-d5	59%	60%	50%	10-94%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MS	H003664.D	1	12/07/98	NF	12/07/98	OP607	SH173
OP607-MSD	H003665.D	1	12/07/98	NF	12/07/98	OP607	SH173
F3269-2	H003663.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

F3330-11

CAS No.	Surrogate Recoveries	MS	MSD	F3269-2	Limits
118-79-6	2,4,6-Tribromophenol	96%	99%	97%	10-123%
4165-60-0	Nitrobenzene-d5	101%	103%	100%	35-114%
321-60-8	2-Fluorobiphenyl	92%	96%	89%	43-116%
1718-51-0	Terphenyl-d14	95%	99%	99%	33-141%

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-BS	G0007092.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	250	271	108	70-130
71-43-2	Benzene	50	55.2	110	80-122
75-27-4	Bromodichloromethane	50	53.1	106	81-121
75-25-2	Bromoform	50	54.1	108	78-119
108-90-7	Chlorobenzene	50	47.8	96	80-120
75-00-3	Chloroethane	50	48.4	97	62-134
67-66-3	Chloroform	50	49.2	98	71-132
75-15-0	Carbon disulfide	250	199	80	70-130
56-23-5	Carbon tetrachloride	50	50.8	102	74-126
75-34-3	1,1-Dichloroethane	50	48.4	97	79-122
75-35-4	1,1-Dichloroethylene	50	48.9	98	72-126
107-06-2	1,2-Dichloroethane	50	53.4	107	68-146
78-87-5	1,2-Dichloropropane	50	48.4	97	80-120
124-48-1	Dibromochloromethane	50	52.5	105	80-120
156-59-2	cis-1,2-Dichloroethylene	50	45.2	90	64-139
10061-01-5	cis-1,3-Dichloropropene	50	50.8	102	80-120
156-60-5	trans-1,2-Dichloroethylene	50	52.8	106	74-126
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	80-120
100-41-4	Ethylbenzene	50	48.5	97	80-120
591-78-6	2-Hexanone	250	240	96	70-130
108-10-1	4-Methyl-2-pentanone	250	245	98	70-130
74-83-9	Methyl bromide	50	42.5	85	68-120
74-87-3	Methyl chloride	50	39.2	78	58-118
75-09-2	Methylene chloride	50	49.6	99	68-138
78-93-3	Methyl ethyl ketone	250	259	104	70-130
100-42-5	Styrene	50	51.5	103	60-141
71-55-6	1,1,1-Trichloroethane	50	49.5	99	80-120
79-34-5	1,1,2,2-Tetrachloroethane	50	47.5	95	79-127
79-00-5	1,1,2-Trichloroethane	50	47.8	96	80-120
127-18-4	Tetrachloroethylene	50	46.0	92	79-121
108-88-3	Toluene	50	45.6	91	80-120
79-01-6	Trichloroethylene	50	47.7	95	80-120
75-01-4	Vinyl chloride	50	43.7	87	51-133
1330-20-7	Xylene (total)	150	147	98	73-123

Blank Spike Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-BS	G0007092.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-116%
17060-07-0	1,2-Dichloroethane-D4	102%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	98%	86-115%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-MB4	G0007271.D	1	12/11/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	ND	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
75-15-0	Carbon disulfide	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	ug/l	
74-83-9	Methyl bromide	ND	5.0	ug/l	
74-87-3	Methyl chloride	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	ug/l	
100-42-5	Styrene	ND	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	ug/l	
108-88-3	Toluene	ND	2.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	10	ug/l	
1330-20-7	Xylene (total)	ND	6.0	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-MB4	G0007271.D	1	12/11/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-116%
17060-07-0	1,2-Dichloroethane-D4	95%	80-120%
2037-26-5	Toluene-D8	101%	80-120%
460-00-4	4-Bromofluorobenzene	98%	86-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F3272-2MS	G0007090.D	1	12/01/98	RAW	n/a	n/a	VG171
F3272-2MSD	G0007091.D	1	12/01/98	RAW	n/a	n/a	VG171
F3272-2	G0007084.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Compound	F3272-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	264	106	266	106	1	70-130/30
71-43-2	Benzene	ND		50	52.9	106	52.0	104	2	80-122/21
75-27-4	Bromodichloromethane	ND		50	54.9	110	53.9	108	2	81-121/20
75-25-2	Bromoform	ND		50	54.0	108	54.3	109	0	78-119/21
108-90-7	Chlorobenzene	ND		50	50.7	101	49.6	99	2	80-120/20
75-00-3	Chloroethane	ND		50	48.0	96	48.5	97	1	62-134/20
67-66-3	Chloroform	ND		50	50.4	101	50.4	101	0	71-132/21
75-15-0	Carbon disulfide	ND		250	228	91	218	87	4	70-130/30
56-23-5	Carbon tetrachloride	ND		50	50.2	100	51.1	102	2	74-126/16
75-34-3	1,1-Dichloroethane	ND		50	50.0	100	48.9	98	2	79-122/20
75-35-4	1,1-Dichloroethylene	ND		50	49.4	99	48.5	97	2	72-126/26
107-06-2	1,2-Dichloroethane	ND		50	52.1	104	52.9	106	2	68-146/22
78-87-5	1,2-Dichloropropane	ND		50	49.7	99	49.8	100	0	80-120/20
124-48-1	Dibromochloromethane	ND		50	54.6	109	56.0	112	2	80-120/20
156-59-2	cis-1,2-Dichloroethylene	ND		50	47.0	94	45.7	91	3	64-139/18
10061-01-5	cis-1,3-Dichloropropene	ND		50	51.6	103	51.7	103	0	80-120/20
156-60-5	trans-1,2-Dichloroethylene	ND		50	53.9	108	53.4	107	1	74-126/20
10061-02-6	trans-1,3-Dichloropropene	ND		50	54.3	109	55.0	110	1	80-120/20
100-41-4	Ethylbenzene	ND		50	50.4	101	50.1	100	0	80-120/20
591-78-6	2-Hexanone	ND		250	232	93	251	100	8	70-130/30
108-10-1	4-Methyl-2-pentanone	ND		250	234	94	245	98	4	70-130/30
74-83-9	Methyl bromide	ND		50	31.0	62*	40.2	80	26*	68-120/22
74-87-3	Methyl chloride	ND		50	35.0	70	40.1	80	14	58-118/22
75-09-2	Methylene chloride	ND		50	49.0	98	49.4	99	1	68-138/20
78-93-3	Methyl ethyl ketone	ND		250	260	104	258	103	1	70-130/30
100-42-5	Styrene	ND		50	51.5	103	51.6	103	0	60-141/24
71-55-6	1,1,1-Trichloroethane	ND		50	50.2	100	50.2	100	0	80-120/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	47.0	94	47.1	94	0	79-127/19
79-00-5	1,1,2-Trichloroethane	ND		50	48.6	97	50.1	100	3	80-120/20
127-18-4	Tetrachloroethylene	2.6		50	50.8	96	51.0	97	0	79-121/24
108-88-3	Toluene	ND		50	47.5	95	48.1	96	1	80-120/20
79-01-6	Trichloroethylene	ND		50	49.2	98	48.8	98	1	80-120/20
75-01-4	Vinyl chloride	ND		50	44.2	88	44.3	89	0	51-133/11
1330-20-7	Xylene (total)	ND		150	154	103	152	101	1	73-123/16

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F3272-2MS	G0007090.D	1	12/01/98	RAW	n/a	n/a	VG171
F3272-2MSD	G0007091.D	1	12/01/98	RAW	n/a	n/a	VG171
F3272-2	G0007084.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

F3330-11

CAS No.	Surrogate Recoveries	MS	MSD	F3272-2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	97%	80-116%
17060-07-0	1,2-Dichloroethane-D4	120%	113%	102%	80-120%
2037-26-5	Toluene-D8	98%	102%	99%	80-120%
460-00-4	4-Bromofluorobenzene	98%	98%	100%	86-115%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP605-MB	P02603.D	1	12/09/98	NF	12/05/98	OP605	GOP125

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

OP605-MS, OP605-MSD

CAS No.	Compound	Result	RDL	Units	Q
	TPH (C8-C40)	ND	0.50	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	93%	40-140%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB4	EF007953.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

GEF196-BS, F3330-5MS, F3330-5MSD

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB4	EF007953.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

GEF196-BS, F3330-5MS, F3330-5MSD

CAS No.	Surrogate Recoveries		Limits
74-97-5	Bromochloromethane	98%	75-125%
75-29-6	2-Chloropropane	99%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	100%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%	75-125%
462-06-6	Fluorobenzene	98%	75-125%
98-08-8	aaa-Trifluorotoluene	100%	75-125%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB5	EF007953.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

GEF196-BS, F3330-5MS, F3330-5MSD

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
110-75-8	2-Chloroethylvinyl ether	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF196-MB5	EF007953.D	1	12/17/98	JG	n/a	n/a	GEF196

The QC reported here applies to the following samples: **Method:** EPA 601/602

GEF196-BS, F3330-5MS, F3330-5MSD

CAS No.	Surrogate Recoveries		Limits
74-97-5	Bromochloromethane	98%	75-125%
75-29-6	2-Chloropropane	99%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	100%	75-125%
625-98-9	1-Chloro-3-fluorobenzene	88%	75-125%
462-06-6	Fluorobenzene	98%	75-125%
98-08-8	aaa-Trifluorotoluene	100%	75-125%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB	H003661.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-MS, OP607-MSD

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic Acid	ND	50	ug/l	
95-57-8	2-Chlorophenol	ND	10	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	50	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
	3&4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	50	ug/l	
87-86-5	Pentachlorophenol	ND	50	ug/l	
108-95-2	Phenol	ND	10	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	10	ug/l	
208-96-8	Acenaphthylene	ND	10	ug/l	
120-12-7	Anthracene	ND	10	ug/l	
56-55-3	Benzo(a)anthracene	ND	10	ug/l	
50-32-8	Benzo(a)pyrene	ND	10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	10	ug/l	
218-01-9	Chrysene	ND	10	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB	H003661.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-MS, OP607-MSD

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/l	
132-64-9	Dibenzofuran	ND	10	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	10	ug/l	
86-73-7	Fluorene	ND	10	ug/l	
118-74-1	Hexachlorobenzene	ND	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/l	
78-59-1	Isophorone	ND	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	10	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
98-95-3	Nitrobenzene	ND	10	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	10	ug/l	
129-00-0	Pyrene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	72%	21-100%
4165-62-2	Phenol-d5	55%	10-94%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB	H003661.D	1	12/07/98	NF	12/07/98	OP607	SH173

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-MS, OP607-MSD

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	97%	10-123%
4165-60-0	Nitrobenzene-d5	100%	35-114%
321-60-8	2-Fluorobiphenyl	91%	43-116%
1718-51-0	Terphenyl-d14	94%	33-141%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB3	H003733.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-DUP

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic Acid	ND	50	ug/l	
95-57-8	2-Chlorophenol	ND	10	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	20	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	50	ug/l	
51-28-5	2,4-Dinitrophenol	ND	50	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
	3&4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	50	ug/l	
87-86-5	Pentachlorophenol	ND	50	ug/l	
108-95-2	Phenol	ND	10	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	10	ug/l	
208-96-8	Acenaphthylene	ND	10	ug/l	
120-12-7	Anthracene	ND	10	ug/l	
56-55-3	Benzo(a)anthracene	ND	10	ug/l	
50-32-8	Benzo(a)pyrene	ND	10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
100-51-6	Benzyl Alcohol	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	10	ug/l	
218-01-9	Chrysene	ND	10	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	10	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB3	H003733.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-DUP

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	10	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/l	
132-64-9	Dibenzofuran	ND	10	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	10	ug/l	
86-73-7	Fluorene	ND	10	ug/l	
118-74-1	Hexachlorobenzene	ND	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/l	
78-59-1	Isophorone	ND	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	10	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
98-95-3	Nitrobenzene	ND	10	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	ug/l	
85-01-8	Phenanthrene	ND	10	ug/l	
129-00-0	Pyrene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	69%	21-100%
4165-62-2	Phenol-d5	52%	10-94%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP607-MB3	H003733.D	1	12/17/98	NF	12/17/98	OP607	SH177

The QC reported here applies to the following samples: **Method:** SW846 3510C/8270C

OP607-DUP

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	89%	10-123%
4165-60-0	Nitrobenzene-d5	97%	35-114%
321-60-8	2-Fluorobiphenyl	90%	43-116%
1718-51-0	Terphenyl-d14	96%	33-141%

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-MB1	G0007082.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

VG171-BS, F3272-2MS, F3272-2MSD

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	ug/l	
100-42-5	Styrene	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

Method Blank Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG171-MB1	G0007082.D	1	12/01/98	RAW	n/a	n/a	VG171

The QC reported here applies to the following samples: **Method:** SW846 8260B

VG171-BS, F3272-2MS, F3272-2MSD

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-116%
17060-07-0	1,2-Dichloroethane-D4	94%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	86-115%

Semivolatile Surrogate Recovery Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Method: SW846 3510C/8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F3330-11	H003704.D	68.0	51.0	100.0	100.0	96.0	107.0
OP607-BS2	H003700.D	66.0	44.0	95.0	105.0	99.0	101.0
OP607-DUP	H003736.D	59.0	46.0	83.0	94.0	88.0	94.0
OP607-MB2	H003701.D	68.0	49.0	97.0	105.0	94.0	108.0
OP607-MS	H003664.D	72.0	59.0	96.0	101.0	92.0	95.0
OP607-MSD	H003665.D	75.0	60.0	99.0	103.0	96.0	99.0
OP607-MB	H003661.D	72.0	55.0	97.0	100.0	91.0	94.0
OP607-MB3	H003733.D	69.0	52.0	89.0	97.0	90.0	96.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	21-100%
S2 = Phenol-d5	10-94%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	35-114%
S5 = 2-Fluorobiphenyl	43-116%
S6 = Terphenyl-d14	33-141%

Semivolatile Surrogate Recovery Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Method: FLORIDA-PRO **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
F3330-1	P02691.D	100.0
F3330-2	P02692.D	102.0
F3330-3	P02693.D	103.0
F3330-4	P02694.D	101.0
F3330-5	P02695.D	111.0
F3330-6	P02697.D	94.0
F3330-7	P02698.D	100.0
F3330-8	P02699.D	99.0
F3330-9	P02700.D	102.0
F3330-10	P02701.D	93.0
F3330-11	P02702.D	90.0
OP605-BS2	P02690.D	90.0
OP605-MB2	P02689.D	101.0
OP605-MS	P02609.D	89.0
OP605-MSD	P02610.D	83.0
OP605-MB	P02603.D	93.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	40-140%

(a) Recovery from GC signal #1

Volatile Surrogate Recovery Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Method: SW846 8021B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [b]	S3 [a]	S4 [b]	S5 [b]
F3330-1	EF007907.D	84.0	84.0	94.0	79.0	92.0	95.0
F3330-2	EF007908.D	99.0	98.0	102.0	88.0	104.0	105.0
F3330-3	EF007910.D	97.0	99.0	102.0	95.0	104.0	105.0
F3330-4	EF007911.D	97.0	97.0	103.0	85.0	105.0	106.0
F3330-5	EF007912.D	100.0	95.0	103.0	88.0	105.0	106.0
F3330-6	EF007913.D	95.0	100.0	102.0	87.0	105.0	106.0
F3330-7	EF007914.D	101.0	98.0	103.0	88.0	105.0	106.0
F3330-8	EF007915.D	97.0	95.0	102.0	88.0	104.0	105.0
F3330-9	EF007916.D	110.0	98.0	102.0	86.0	106.0	106.0
F3330-10	EF007917.D	101.0	99.0	104.0	85.0	105.0	106.0
F3330-11	EF007918.D	107.0	100.0	106.0	90.0	108.0	109.0

Surrogate Compounds	Recovery Limits
S1 = Bromochloromethane	75-125%
S2 = 2-Chloropropane	75-125%
S3 = 1-Chloro-3-fluorobenzene	75-125%
S4 = Fluorobenzene	75-125%
S5 = aaa-Trifluorotoluene	75-125%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

Volatile Surrogate Recovery Summary

Job Number: F3330
Account: TETRPAPT Tetra Tech, NUS
Project: NAS Cecil Field

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F3330-11	G0007284.D	99.0	86.0	104.0	100.0
F3272-2MS	G0007090.D	102.0	120.0	98.0	98.0
F3272-2MSD	G0007091.D	101.0	113.0	102.0	98.0
VG171-BS	G0007092.D	102.0	102.0	97.0	98.0
VG171-MB4	G0007271.D	100.0	95.0	101.0	98.0
VG171-MB1	G0007082.D	97.0	94.0	98.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-116%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	86-115%

ACCUTEST

01/05/99

Technical Report for

Tetra Tech, NUS

NAS Cecil Field

0019/Building 794-NADEP

Accutest Job Number: F3331

Report to:

Tetra Tech NUS, Inc.
455 Fairway Drive
Suite 200
Deerfield Beach, FL 33441

ATTN: Rick Ofsanko

Total number of pages in report: 13

Harry Behzadi, Ph.D.
Laboratory Director

Results relate only to the items tested.
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

ACCUTEST

EDD REQUIREMENTS

Tetra Tech, NUS

Date: 01/05/99
Job No: F3331

NAS Cecil Field
Project No: 0019/Building 794-NADEP

EDD(s) Required:

TETRA1(disk)

☐ EDD Generated by _____

ACCUTEST

Sample Summary

Tetra Tech, NUS

Date: 01/05/99
Job No: F3331

NAS Cecil Field
Project No: 0019/Building 794-NADEP

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
F3331-1	12/08/98	12:00 RO	12/10/98	SO	Soil	B794-SL-GP11
F3331-1A	12/08/98	12:00 RO	12/10/98	SO	Soil	B794-SL-GP11

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K002368.D	1	12/16/98	RAW	n/a	n/a	VK32
Run #2							

VOA TCL List

CAS No.	Compound	Result	RDL	Units	Q
67-64-1	Acetone	ND	54	ug/kg	
71-43-2	Benzene	ND	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	ug/kg	
75-25-2	Bromoform	ND	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	ug/kg	
75-00-3	Chloroethane	ND	2.2	ug/kg	
67-66-3	Chloroform	ND	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	ug/kg	
591-78-6	2-Hexanone	ND	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11	ug/kg	
74-83-9	Methyl bromide	ND	5.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	11	ug/kg	
100-42-5	Styrene	ND	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	2.2	ug/kg	
108-88-3	Toluene	ND	2.2	ug/kg	
79-01-6	Trichloroethylene	ND	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	ug/kg	
108-05-4	Vinyl Acetate	ND	11	ug/kg	
1330-20-7	Xylene (total)	ND	6.5	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K002368.D	1	12/16/98	RAW	n/a	n/a	VK32
Run #2							

VOA TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
2037-26-5	Toluene-D8	102%		81-117%
460-00-4	4-Bromofluorobenzene	106%		74-121%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 3550B/8270C	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L000926.D	1	12/14/19	NF	12/11/98	OP614	SL59
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
65-85-0	Benzoic acid	ND	990	ug/kg	
95-57-8	2-Chlorophenol	ND	400	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	990	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	990	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	990	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	ug/kg	
95-48-7	2-Methylphenol	ND	400	ug/kg	
	3&4-Methylphenol	ND	400	ug/kg	
88-75-5	2-Nitrophenol	ND	400	ug/kg	
100-02-7	4-Nitrophenol	ND	990	ug/kg	
87-86-5	Pentachlorophenol	ND	990	ug/kg	
108-95-2	Phenol	ND	400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	400	ug/kg	
83-32-9	Acenaphthene	ND	400	ug/kg	
208-96-8	Acenaphthylene	ND	400	ug/kg	
120-12-7	Anthracene	ND	400	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	ug/kg	
50-32-8	Benzo(a)pyrene	ND	400	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	400	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	400	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	400	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	400	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	ug/kg	
100-51-6	Benzyl Alcohol	ND	400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	400	ug/kg	
106-47-8	4-Chloroaniline	ND	400	ug/kg	
86-74-8	Carbazole	ND	400	ug/kg	
218-01-9	Chrysene	ND	400	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	400	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	400	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	400	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	400	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 3550B/8270C	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L000926.D	1	12/14/19	NF	12/11/98	OP614	SL59
Run #2							

ABN TCL List

CAS No.	Compound	Result	RDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	400	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	400	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	400	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	990	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	400	ug/kg	
132-64-9	Dibenzofuran	ND	400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	ug/kg	
84-66-2	Diethyl phthalate	ND	400	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	ug/kg	
206-44-0	Fluoranthene	ND	400	ug/kg	
86-73-7	Fluorene	ND	400	ug/kg	
118-74-1	Hexachlorobenzene	ND	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	400	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	400	ug/kg	
67-72-1	Hexachloroethane	ND	400	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	400	ug/kg	
78-59-1	Isophorone	ND	400	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	ug/kg	
88-74-4	2-Nitroaniline	ND	400	ug/kg	
99-09-2	3-Nitroaniline	ND	400	ug/kg	
100-01-6	4-Nitroaniline	ND	400	ug/kg	
91-20-3	Naphthalene	ND	400	ug/kg	
98-95-3	Nitrobenzene	ND	400	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	400	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	400	ug/kg	
85-01-8	Phenanthrene	ND	400	ug/kg	
129-00-0	Pyrene	ND	400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	88%		25-121%
4165-62-2	Phenol-d5	90%		24-113%
118-79-6	2,4,6-Tribromophenol	86%		19-122%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 3550B/8270C	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L000926.D	1	12/14/19	NF	12/11/98	OP614	SL59
Run #2							

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		23-120%
321-60-8	2-Fluorobiphenyl	95%		30-115%
1718-51-0	Terphenyl-d14	98%		18-137%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 8310	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1		1	12/15/98	AMA	12/14/98	M:OP946	M:GC776
Run #2							

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	38	ug/kg	
208-96-8	Acenaphthylene	ND	38	ug/kg	
120-12-7	Anthracene	ND	38	ug/kg	
56-55-3	Benzo (a) anthracene	ND	5.7	ug/kg	
50-32-8	Benzo (a) pyrene	ND	5.7	ug/kg	
205-99-2	Benzo (b) fluoranthene	ND	5.7	ug/kg	
191-24-2	Benzo (g,h,i) perylene	ND	5.7	ug/kg	
207-08-9	Benzo (k) fluoranthene	ND	5.7	ug/kg	
218-01-9	Chrysene	ND	5.7	ug/kg	
53-70-3	Dibenz(a,h)anthracene	ND	5.7	ug/kg	
206-44-0	Fluoranthene	ND	5.7	ug/kg	
86-73-7	Fluorene	ND	38	ug/kg	
193-39-5	Indeno (1,2,3-cd) pyrene	ND	5.7	ug/kg	
90-12-0	1-Methylnaphthalene	ND	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	ug/kg	
91-20-3	Naphthalene	ND	38	ug/kg	
85-01-8	Phenanthrene	ND	38	ug/kg	
129-00-0	Pyrene	ND	5.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		20-130%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID: B794-SL-GP11
Lab Sample ID: F3331-1
Matrix: SO - Soil

Date Sampled: 12/08/98
Date Received: 12/10/98
Percent Solids: 84.0

Project: NAS Cecil Field

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Aluminum	2460	24	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Antimony	<7.1	7.1	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Arsenic	<1.2	1.2	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Barium	<24	24	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Beryllium	<0.60	0.60	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Cadmium	<0.48	0.48	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Calcium	24700	600	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Chromium	4.4	1.2	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Cobalt	<6.0	6.0	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Copper	<3.0	3.0	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Iron	1980	12	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Lead	<12	12	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Magnesium	<600	600	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Manganese	14.0	1.8	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Mercury	<0.20	0.20	mg/kg	1	12/15/98	12/16/98	JK	SW846 7471A
Nickel	<4.8	4.8	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Potassium	<600	600	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Selenium	<12	12	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Silver	<1.2	1.2	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Sodium	<600	600	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Thallium	<1.2	1.2	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Vanadium	<6.0	6.0	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A
Zinc	7.2	2.4	mg/kg	1	12/14/98	12/15/98	JK	SW846 6010A

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
		Percent Solids:	84.0
Project:	NAS Cecil Field		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed By	Method
Solids, Percent	84		%	1	12/11/98 JK	EPA 160.3 M
Total Organic Halides	<10	10	mg/kg	1	12/28/98 ANJ	SW846 9023

RDL = Reported Detection Limit

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1A	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K002368.D	1	12/16/98	RAW	n/a	n/a	VK32
Run #2							

VOA 8021 List

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	ug/kg	
75-25-2	Bromoform	ND	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	ug/kg	
75-00-3	Chloroethane	ND	2.2	ug/kg	
67-66-3	Chloroform	ND	2.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	5.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.2	ug/kg	
74-83-9	Methyl bromide	ND	5.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	2.2	ug/kg	
108-88-3	Toluene	ND	2.2	ug/kg	
79-01-6	Trichloroethylene	ND	2.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	ug/kg	
1330-20-7	Xylene (total)	ND	6.5	ug/kg	

ND = Not detected
RDL = Reported Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST

Report of Analysis

Client Sample ID:	B794-SL-GP11		
Lab Sample ID:	F3331-1A	**Date Sampled:**	12/08/98
Matrix:	SO - Soil	**Date Received:**	12/10/98
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K002368.D	1	12/16/98	RAW	n/a	n/a	VK32
Run #2							

VOA 8021 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
2037-26-5	Toluene-D8	102%		81-117%
460-00-4	4-Bromofluorobenzene	106%		74-121%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

00887

CHAIN OF CUSTODY RECORD

PROJECT NO.: 0019

SITE NAME: BUILDING 794 - NADEP

SAMPLERS (SIGNATURE): RICK OFSANKO

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	8021B	8310	6010B (LEAD)	TAL METALS / RCRA	TCLVOA (8260)	8270	TOX	REMARKS
F3551-1	12/8/98	1200		X	B794-SL-GP11	8	*	1	1	1	1	*	1	Soil (Check w/ Rick ABOUT TOX ANALYSIS)
	"													* FIVE ENCORE SAMPLERS

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rick Ofsanko	12/8/98 1900				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): Andy Wilson	DATE / TIME: 12-10-98	REMARKS:	

Order No. 70440 (0693)

1030

ACCUTEST

Report of Analysis

Client Sample ID:	B794-GW-GP11		
Lab Sample ID:	F3330-11	**Date Sampled:**	12/08/98
Matrix:	AQ - Ground Water	**Date Received:**	12/10/98
		Percent Solids:	n/a
Project:	NAS Cecil Field		

Metals Analysis

Analyte	Result	RDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<0.0050	0.0050	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Barium	<0.20	0.20	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Cadmium	<0.0040	0.0040	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Chromium	0.0250	0.010	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Lead	0.0096	0.0030	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Mercury	<0.0010	0.0010	mg/l	1	12/14/98	12/15/98	JK	EPA 245.1
Selenium	<0.0050	0.0050	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7
Silver	<0.010	0.010	mg/l	1	12/15/98	12/16/98	JK	EPA 200.7

RDL = Reported Detection Limit