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SITE ASSESSMENT REPORT ADDENDUM FOR DAY TANK 1 NAS CECIL FIELD FL
11/1/2003
TETRA TECH NUS INC

Site Assessment Report Addendum
for
Day Tank 1

Naval Air Station Cecil Field
Jacksonville, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0078

November 2003

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SITE ASSESSMENT REPORT ADDENDUM
FOR
DAY TANK 1

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
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CONTRACT NUMBER N62467-94-D-0888
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The professional opinions rendered in this document identified as Site Assessment Report Addendum for Day Tank 1, Naval Air Station Cecil Field, Jacksonville, Florida were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. This document is based on information obtained from others and under the supervision of the signing engineer. If conditions are determined to exist differently than those described in this document, then the undersigned professional engineer should be notified to evaluate the effects of any additional information on the project described in this report.

Mark Speranza

Mark Speranza, P.E.
Professional Engineering No. PE0050304

Date: 11/10/03

Mark Speranza

CERTIFICATION OF TECHNICAL
DATA CONFORMITY

The Contractor, Tetra Tech NUS, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-94-D-0888 are complete and accurate and comply with all requirements of this contract.

DATE: November 4, 2003

COMPANY CERTIFICATION AUTHORIZATION NUMBER: 7988
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NAME AND TITLE OF CERTIFYING OFFICIAL: Mark Speranza, P.E.
Task Order Manager

TABLE OF CONTENTS

SECTION **PAGE NO.**

PROFESSIONAL ENGINEER AUTHORIZATION ..... **iii**

CERTIFICATION OF TECHNICAL DATA CONFORMITY ..... **v**

ACRONYMS ..... **ix**

1.0 INTRODUCTION **1-1**
1.1 SITE DESCRIPTION 1-1
1.2 SITE HISTORY 1-1
1.3 PURPOSE OF INVESTIGATION 1-3

2.0 FIELD INVESTIGATIONS **2-1**
2.1 FID INVESTIGATION (PHASE I) 2-1
2.2 SOIL INVESTIGATIONS (PHASES II, III, AND IV) 2-1
2.3 FREE PRODUCT INVESTIGATION (PHASE III) 2-4

3.0 RESULTS AND EVALUATION **3-1**
3.1 FID INVESTIGATION 3-1
3.1.1 Results 3-1
3.1.2 Evaluation 3-1
3.2 SOIL SAMPLE DATA 3-1
3.2.1 Results 3-1
3.2.2 Evaluation 3-2
3.3 SPLP DATA 3-3
3.3.1 Results 3-3
3.3.2 Evaluation 3-3
3.4 TPHCWG DATA 3-5
3.4.1 Results 3-5
3.4.2 Evaluation 3-6
3.5 FREE PRODUCT INVESTIGATION 3-7
3.5.1 Results 3-7
3.5.2 Evaluation 3-7
3.6 GEOLOGY 3-8
3.7 OVERALL SUMMARY OF RESULTS 3-8

4.0 REMEDIATION **4-1**
4.1 GENERAL REMEDIATION APPROACHES 4-1
4.2 DESCRIPTION OF PROPOSED REMEDIAL ALTERNATIVE 4-1
4.2.1 General Considerations 4-1
4.2.2 Description of Alternative 4-2
4.2.3 Cost Estimate 4-3

REFERENCES **R-1**

TABLE OF CONTENTS (Continued)

APPENDICES

A BORING LOGS
B LABORATORY ANALYTICAL DATA
C TPHCWG SUBCLASSIFICATION PERCENTAGES
D COST ESTIMATE

TABLES

NUMBER

1-1 Analytical Data from 1999 Post-Excavation Samples
3-1 FID Headspace Measurements
3-2 Soil Analytical Results Summary
3-3 VOCs SPLP Leachate Results vs. Associated Soil Results
3-4 PAHs SPLP Leachate Results vs. Associated Soil Results
3-5 TRPH SPLP Leachate Results vs. Associated Soil Results
3-6 Summary of TPHCWG Results
3-7 Estimated Maximum Individual TPH Subclassification Concentrations
3-8 Free Product Thickness in Temporary Wells

FIGURES

NUMBER

1-1 Site Location Map
1-2 Current Site Plan
2-1 Phase I Sample Location Map
2-2 Phase II and III Sample Location Map
2-3 Temporary Monitoring Well Locations
3-1 Phase I FID Measurements and Laboratory Results
3-2 Contaminant Concentrations Greater Than SCTLs
3-3 Sample Locations Exceeding Residential SCTLs and/or Leachability SCTLs
3-4 Sample Locations Exceeding Industrial SCTLs and/or Leachability SCTLs
3-5 Extent of Free Product
3-6 Sample Locations Exceeding SCTLs with Site-Specific Leachability
4-1 Excavation Plan

ACRONYMS

APR	Alternate Procedures Request
AS	Air sparging
BaP	Benzo(a)pyrene
BCT	BRAC Cleanup Team
bgs	Below ground surface
BRAC	Base Realignment and Closure
CA	Contamination Assessment
CAR	Contamination Assessment Report
CARA	Contamination Assessment Report Addendum
CLEAN	Comprehensive Long-Term Environmental Action Navy
CTO	Contract Task Order
DPT	Direct push technology
EISOPQAM	Environmental Investigations Standard Operating Procedures and Quality Assurance Manual
FDEP	Florida Department of Environmental Protection
FID	Flame-ionization detector
FL-PRO	Florida Petroleum Residual Organics
GCTL	Groundwater cleanup target level
mg/kg	Milligram per kilogram
µg/kg	Microgram per kilogram
NAS	Naval Air Station
PAH	Polynuclear aromatic hydrocarbon
PID	Photo-ionization detector
ppb	Parts per billion
ppm	Parts per million
RAC	Remedial Action Contractor
RAP	Remedial Action Plan
RI	Remedial Investigation
SARA	Site Assessment Report Addendum
SCTL	Soil cleanup target level
SOP	Standard operating procedure
SOUTHNAVFACENGCOM	Southern Division, Naval Facilities Engineering Command
SRR	Source Removal Report
SPLP	Synthetic precipitation leaching procedure
SVE	Soil vapor extraction

TPHCWG	Total Petroleum Hydrocarbon Criteria Working Group
TRPH	Total recoverable petroleum hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
U.S. EPA	United States Environmental Protection Agency
VOC	Volatile organic compound

1.0 INTRODUCTION

Tetra Tech NUS, Inc. (TtNUS), under contract to Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), has conducted the Site Assessment Report Addendum (SARA) for Day Tank 1 at Naval Air Station (NAS) Cecil Field in Jacksonville, Florida. This program was conducted under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Program, Contract Number N62467-94-D-0888, Contract Task Order (CTO) 0078. This SARA summarizes the related operations, results, conclusions, and recommendations of a supplemental field investigation performed in 2002 and 2003 to further delineate the extent of soil contamination in the Day Tank 1 area.

1.1 SITE DESCRIPTION

Day Tank 1 (also known as Facility 293) was located east of Jet Road, north of Buildings 824 and 824A, and west of Building 846 (see Figure 1-1). A lined, spill containment basin is located to the north of the tank. Day Tank 1 was a 200,000-gallon earth-mounded aboveground tank that stored JP-5 jet fuel. The tank was installed in 1956 and was demolished in 1999 (ABB-ES, 1997). When the tank was demolished, contaminated soil and associated free product were also excavated and disposed off site. About 24,000 tons of soil were removed and replaced with clean fill. Confirmatory samples were collected after the excavation was completed (CH2MHill, 2000). Figure 1-2 shows the current site conditions.

1.2 SITE HISTORY

Numerous spills have occurred at the site, most notably a release of about 497,000 gallons of JP-5 in 1981 (ABB-ES, 1997). This release was followed by several investigations summarized below.

- In 1981, a preliminary Contamination Assessment (CA) was conducted. This preliminary CA concluded that the fuel was limited to the unsaturated zone, had not migrated to the groundwater, and would degrade naturally.

- In 1990 through 1992, a CA was conducted. The CA identified groundwater contamination and the results were submitted to the Florida Department of Environmental Protection (FDEP) in a Contamination Assessment Report (CAR) in 1992.

- In 1993, additional field work was performed, and a CAR Addendum (CARA) was submitted.

- In 1994, a Remedial Action Plan (RAP) was submitted. Based on comments from the FDEP, the Navy decided to move toward an initial remedial action initiative through an Alternate Procedures Request (APR) to address free product.

- The APR for a vapor-enhanced free-product extraction system was submitted in 1995.

- In 1996, vacuum-enhanced extraction and two bioslurping field tests were performed. Based on the results of the field tests, the FDEP requested that a second RAP be submitted for the site.

- In 1997, the second RAP was submitted. The components of the RAP include the removal of free product and contaminated soil by excavation, groundwater treatment near the source using biosparging/vacuum extraction, and long-term monitoring of the plume for natural attenuation. In support of the RAP, contaminated soil defined by headspace flame-ionization detector (FID) measurements of 50 parts per million (ppm) or greater, was delineated.

- In 1999, the Remedial Action Contractor (RAC) implemented the excavation portion of the RAP, and in 2000, installed the biosparge and vapor extraction systems near the southwestern corner of Building 846. The limits of excavation defined in the RAP encompassed the limits of the free product. The soil was excavated to a depth of 11 feet, about 1 foot below the water table. The excavation included the demolition and removal of Day Tank 1. Post-excavation samples were collected along the edges of the excavation, and the results of these samples were evaluated according to a protocol described in the 1997 RAP. Although total recoverable petroleum hydrocarbons (TRPH), volatile organic compounds (VOCs), and polynuclear aromatic hydrocarbons (PAHs) were detected, their concentrations did not require additional action based on the RAP protocol. These results were reported in the Source Removal Report (SRR) (CH2MHill, 2000) and are summarized on Table 1-1.

- In 2000, free product was identified in two of the vapor extraction wells. The free product was routinely removed from the wells but returned in one well (VEW-1) after removal. The free product thickness observed in VEW-1 has varied from 1 to 4 feet.

- In 1999 to 2000, groundwater monitoring for natural attenuation indicated that the plume extended much further than identified in the RAP.

- In 2001, a Remedial Investigation (RI) was performed at Site 57, which is adjacent to the Day Tank 1 groundwater plume. The extent of free product under Building 846 was evaluated during this RI.

- In 2002, it was determined that contaminated soil and free product remained at the Day Tank 1 site and that the extent of soil contamination that exceeded SCTLs was uncertain. Additional assessment of the site was required to delineate the extent of contaminants in the soil and to confirm the extent of the free product under Building 846 under this SARA was proposed.

1.3 PURPOSE OF INVESTIGATION

The purpose of the investigation was to delineate the extent of soil contamination associated with Day Tank 1 by laboratory analysis and to confirm the extent of the free product near and under Building 846. This information will be used to determine the amount and type of remediation needed to meet both residential and industrial use scenarios.

TABLE 1-1

ANALYTICAL DATA FROM 1999 POST-EXCAVATION SAMPLES
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTLs[1]			CEF-		
	Residential Direct Exposure	Industrial Direct Exposure	Leachability to Groundwater	293-C-01	293-C-02	293-C-03
Volatile Organic Compounds, ug/kg						
BENZENE	1,100	1,600	7	1800 U	1 U	1 U
ETHYLBENZENE	1,100,000	8,400,000	600	**10000**	1 U	1 U
METHYL TERT-BUTYL ETHER	3,200	22,000	200	9200 U	6 U	**1.4**
TOLUENE	300,000	2,600,000	500	**1700**	**1.3**	**1.4**
TOTAL XYLENES	5,900,000	4,000,000	200	**35000**	2 U	**0.6**
Semivolatile Organic Compounds, ug/kg						
1-METHYLNAPHTHALENE	68,000	470,000	2,100	**51000**	11 U	11 U
2-METHYLNAPHTHALENE	83,000	560,000	6,100	**36000**	**21**	11 U
ACENAPHTHENE	1,900,000	1,800,000	2,100	12 U	11 U	11 U
ACENAPHTHYLENE	1,100,000	11,000,000	27,000	**2800**	**20**	11 U
ANTHRACENE	18,000,000	260,000,000	2,500,000	**1200**	11 U	11 U
BENZO(A)ANTHRACENE	1400	5,000	3,200	**270**		
BENZO(A)PYRENE	100	500	8,000	**33**		
BENZO(B)FLUORANTHENE	1400	4,800	10,000	**60**		
BENZO(G,H,I)PERYLENE	2,300,000	41,000,000	32,000,000	12 U	11 U	11 U
BENZO(K)FLUORANTHENE	15,000	52,000	25,000	**18**	11 U	11 U
CHRYSENE	140,000	450,000	77,000	**170**	11 U	11 U
DIBENZO(A,H)ANTHRACENE	100	500	30,000	**18**	11 U	11 U
FLUORANTHENE	2,900,000	48,000,000	1,200,000	**2800**	11 U	11 U
FLUORENE	2,200,000	28,000,000	160,000	**1200**	11 U	11 U
INDENO(1,2,3-CD)PYRENE	1500	5,300	28,000	12 U	11 U	11 U
NAPHTHALENE	40,000	270,000	1,700	**13000**	11 U	11 U
PHENANTHRENE	2,000,000	30,000,000	250,000	**2000**	11 U	11 U
PYRENE	2,200,000	37,000,000	880,000	**2700**	11 U	11 U
Total Petroleum Hydrcarbons, mg/kg						
TRPH	340	2500	340	**8400**	2.8 U	2.7 U

TABLE 1-1

ANALYTICAL DATA FROM 1999 POST-EXCAVATION SAMPLES
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-					
	293-C-04	293-C-05	293-C-06	293-C-07	293-C-08	293-C-08
					Sample	Duplicate
Volatile Organic Compounds, ug/kg						
BENZENE	230 U	109 U	**0.5**	**0.2**	2 U	2 U
ETHYLBENZENE	230 U	**62**	**2**	**0.2**	2 U	2 U
METHYL TERT-BUTYL ETHER	1200 U	545 U	**1**	**1.3**	10 U	10 U
TOLUENE	1200 U	545 U	**2**	**0.9**	**3.1**	**1.5**
TOTAL XYLENES	**9400**	**250**	**6**	**0.6**	**1.8**	**1.1**
Semivolatile Organic Compounds, ug/kg						
1-METHYLNAPHTHALENE	**25000**	11 U	11 U	13 U	**1400**	**20000 J**
2-METHYLNAPHTHALENE	**18000**	**85**	**24**	**37**	11 U	**14000 J**
ACENAPHTHENE	12 U	11 U	11 U	13 U	**97**	**170 J**
ACENAPHTHYLENE	**1100**	**27**	**16**	**22**	**23**	**780**
ANTHRACENE	**550**	11 U	11 U	13 U	**34**	**340 J**
BENZO(A)ANTHRACENE		11 U	11 U	13 U	11 U	14 U
BENZO(A)PYRENE		11 U	**43**	**37**	**11**	**40 J**
BENZO(B)FLUORANTHENE		11 U	**22**	**17**	**14**	**30 J**
BENZO(G,H,I)PERYLENE	12 U	11 U	11 U	**13**	11 U	14 U
BENZO(K)FLUORANTHENE	12 U	11 U	**20**	13 U	**76**	**150 J**
CHRYSENE	**41**	11 U	11 U	13 U	11 U	14 U
DIBENZO(A,H)ANTHRACENE	12 U	**240**	11 U	**29**	**24**	**470 J**
FLUORANTHENE	**2100**	11 U	**16**	**18**	11 U	**1200 J**
FLUORENE	**590**	11 U	11 U	13 U	11 U	**380 J**
INDENO(1,2,3-CD)PYRENE	12 U	11 U	11 U	13 U	**13**	**19 J**
NAPHTHALENE	**5400**	**36**	**30**	**45**	11 U	**3400 J**
PHENANTHRENE	**1200**	11 U	11 U	13 U	**24**	**650**
PYRENE	**2200**	11 U	11 U	13 U	11 U	**1400**
Total Petroleum Hydrcarbons, mg/kg						
TRPH	**7200**	**350**	**15**	**9.4**	**100 J**	**300 J**

TABLE 1-1

ANALYTICAL DATA FROM 1999 POST-EXCAVATION SAMPLES
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-				
	293-C-09	293-C-10	293-C-11	293-C-12	293-C-13
Volatile Organic Compounds, ug/kg					
BENZENE	97 U	140 U	230 U	200 U	2 U
ETHYLBENZENE	97 U	140 U	230 U	200 U	**0.6**
METHYL TERT-BUTYL ETHER	490 U	700 U	1100 U	980 U	NA
TOLUENE	490 U	**130**	1100 U	980 U	**1.1**
TOTAL XYLENES	**90**	**330**	**13000**	**3400**	**2.2**
Semivolatile Organic Compounds, ug/kg					
1-METHYLNAPHTHALENE	**690**	**1200**	**50000 J**	**10000**	13 U
2-METHYLNAPHTHALENE	**380**	**540**	**37000 J**	**6800**	13 U
ACENAPHTHENE	**110**	12 U	60 U	**110**	13 U
ACENAPHTHYLENE	11 U	**25**	**2300**	**390**	13 U
ANTHRACENE	**64**	**40**	**660 J**	**180**	13 U
BENZO(A)ANTHRACENE	**63**	12 U	60 U	11 U	13 U
BENZO(A)PYRENE	**79**	12 U	60 U	**62**	13 U
BENZO(B)FLUORANTHENE	**30**	12 U	60 U	**22**	13 U
BENZO(G,H,I)PERYLENE	**220**	12 U	60 U	**170**	13 U
BENZO(K)FLUORANTHENE	**120**	12 U	60 U	**99**	13 U
CHRYSENE	11 U	12 U	60 U	11 U	13 U
DIBENZO(A,H)ANTHRACENE	**330**	12 U	60 U	**290**	13 U
FLUORANTHENE	**41**	**140**	**2300 J**	**650**	13 U
FLUORENE	11 U	**32**	**900 J**	**210**	13 U
INDENO(1,2,3-CD)PYRENE	**25**	**15**	60 U	11 U	13 U
NAPHTHALENE	**85**	**75**	**11000 J**	**1600**	13 U
PHENANTHRENE	**110**	**66**	**1300**	**330**	13 U
PYRENE	11 U	12 U	**2300**	**860**	13 U
Total Petroleum Hydrcarbons, mg/kg					
TRPH	**20**	**490**	**11000 J**	**2400**	3.2 U

TABLE 1-1

ANALYTICAL DATA FROM 1999 POST-EXCAVATION SAMPLES
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-		
	293-C-14	293-C-15	293-C-16
Volatile Organic Compounds, ug/kg			
BENZENE	1 U	200 U	110 U
ETHYLBENZENE	**0.3**	**1300**	**3700**
METHYL TERT-BUTYL ETHER	NA	NA	NA
TOLUENE	**0.6**	980 U	**160**
TOTAL XYLENES	**1.1**	**4700**	**11000**
Semivolatile Organic Compounds, ug/kg			
1-METHYLNAPHTHALENE	11 U	**35000**	**36000**
2-METHYLNAPHTHALENE	11 U	**21000**	**24000**
ACENAPHTHENE	11 U	11 U	11 U
ACENAPHTHYLENE	11 U	11 U	11 U
ANTHRACENE	11 U	**680**	**520**
BENZO(A)ANTHRACENE	11 U	**290**	11 U
BENZO(A)PYRENE	11 U	**31**	11 U
BENZO(B)FLUORANTHENE	11 U	**55**	11 U
BENZO(G,H,I)PERYLENE	11 U	11 U	11 U
BENZO(K)FLUORANTHENE	11 U	**21**	11 U
CHRYSENE	11 U	**130**	**60**
DIBENZO(A,H)ANTHRACENE	11 U	11 U	11 U
FLUORANTHENE	11 U	**2600**	**960**
FLUORENE	11 U	11 U	**720**
INDENO(1,2,3-CD)PYRENE	11 U	11 U	11 U
NAPHTHALENE	11 U	**5900**	**6900**
PHENANTHRENE	11 U	**770**	**350**
PYRENE	11 U	**2300**	**2500**
Total Petroleum Hydrcarbons, mg/kg			
TRPH	**2.7**	**120**	**480**

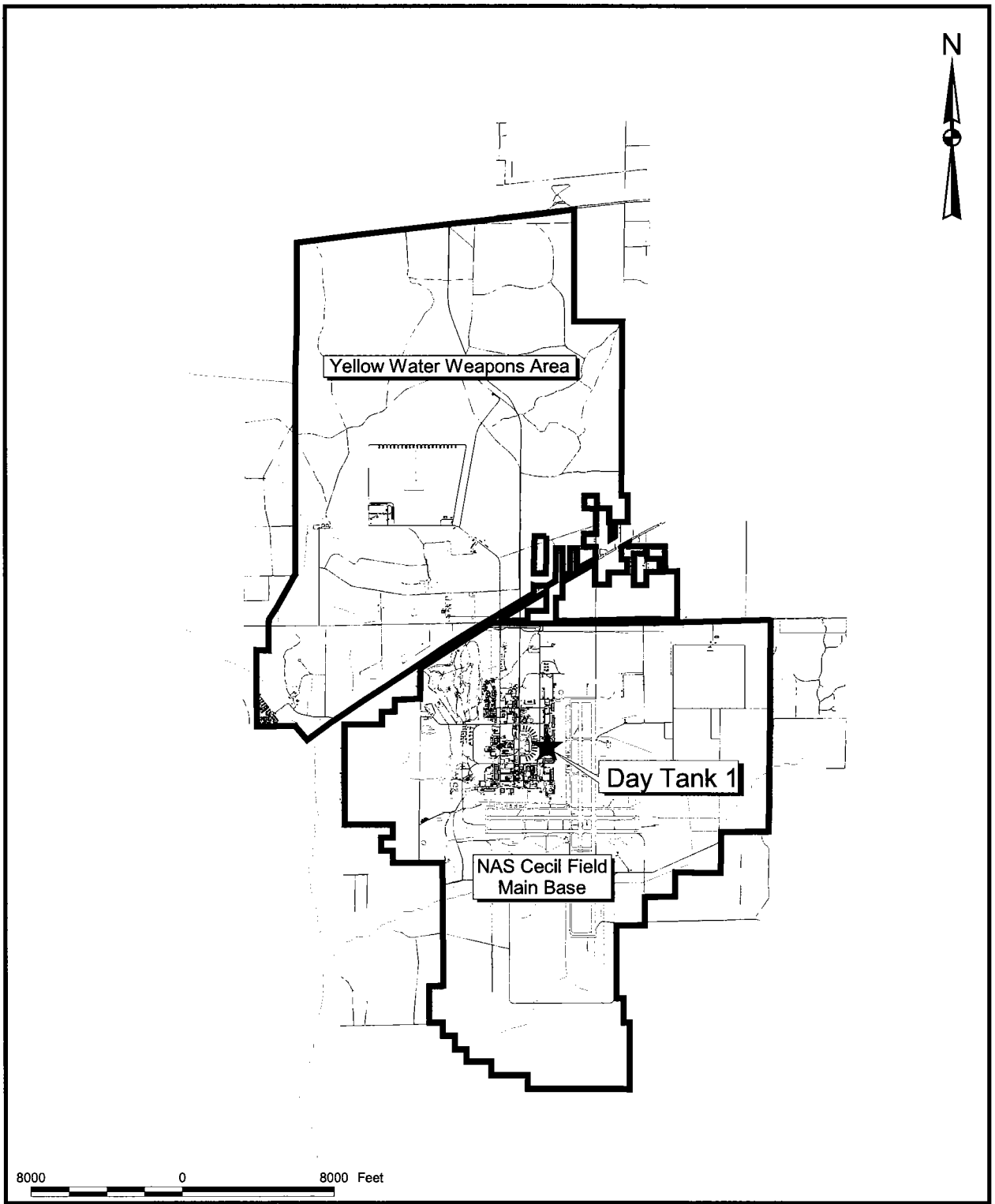
TABLE 1-1

ANALYTICAL DATA FROM 1999 POST-EXCAVATION SAMPLES
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

U = Not detected at or above detection limit (associated value).
J = Estimated concentration.
NA = Not analyzed.

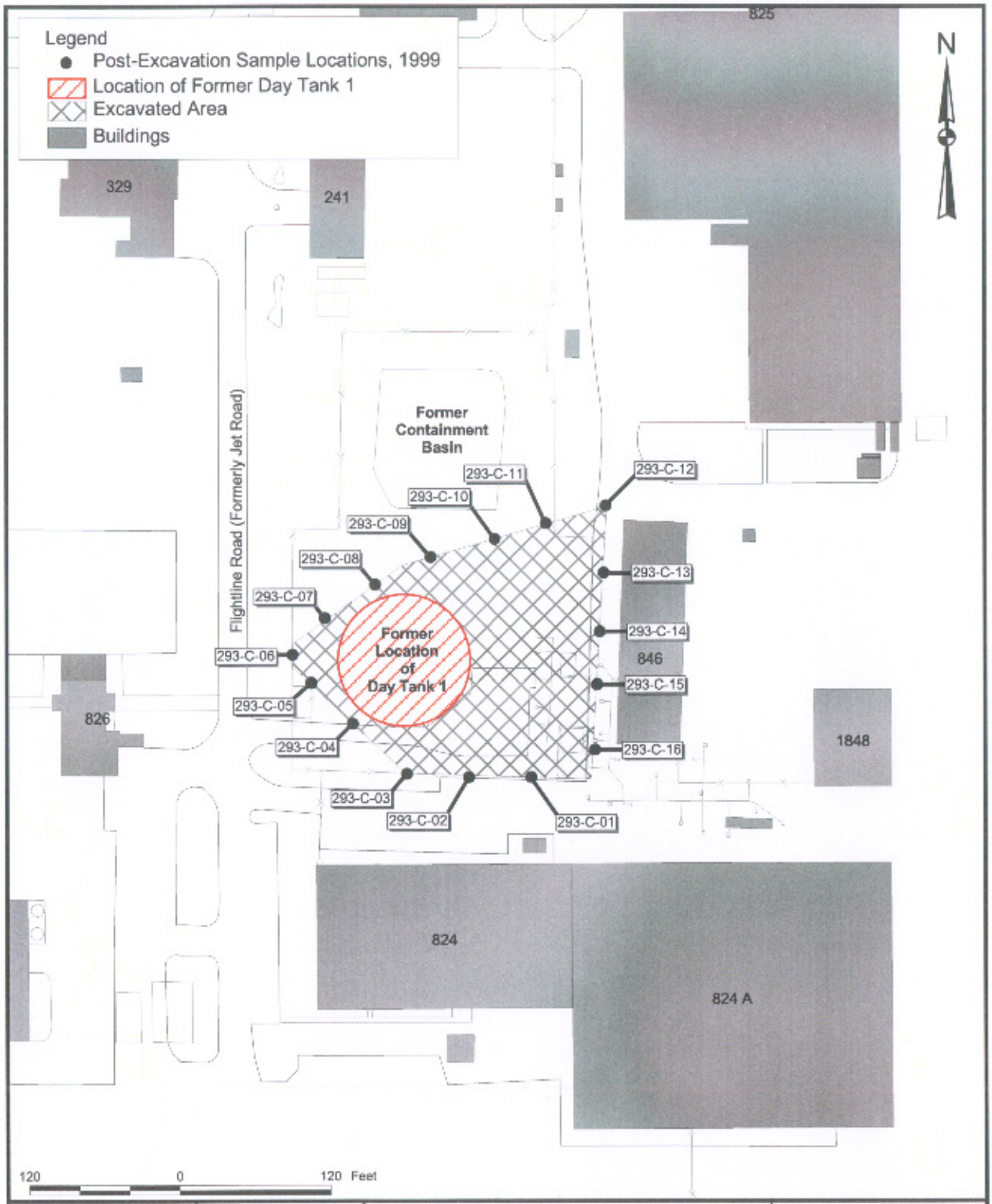
Bolded values exceed detection limit.
Shaded values exceed less stringent of industrial and leachability criteria.

1 Florida Department of Environmental Protection Soil Cleanup Target Levels, FAC Chapter 62-777 (FDEP, 1999).



DRAWN BY MJJ	DATE 15Jan03	SITE LOCATION MAP DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 11/3/03
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1-1 REV 0

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 1-1



DRAWN BY MJJ	DATE 15Jan03	CURRENT SITE PLAN DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 11/3/03
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1-2 REV 0

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 1-2

2.0 FIELD INVESTIGATIONS

The SARA field investigation at Day Tank 1 was conducted in four phases. The first phase was a headspace survey using an FID. The last three phases included the collection of soil samples for laboratory analysis and a free-product investigation.

2.1 FID INVESTIGATION (PHASE I)

Phase I was conducted from August 8, 2002 through August 14, 2002 to confirm the extent of soil contamination based on FID measurements. Soil samples were collected from 59 borings at continuous 1-foot intervals (See Figure 2-1). Soil was placed in a jar, and the concentration of VOCs was measured in the headspace using an FID with a carbon filter to account for methane. The FID readings were recorded along with physical information such as moisture content and the presence of hardpan. The borings were advanced to the saturated zone. Most of the samples were collected using a hand auger, although the hardpan required the use of a direct push technology (DPT) rig to collect the balance of the samples.

The FID results were plotted, and a 50 ppm FID line that indicates contaminated soil was generated. This line was similar to the 50 ppm line from the 1997 RAP. The FID results were then used to determine sample locations for the next two phases.

Based on the results of the FID readings, soil samples were collected for laboratory analysis at four locations (Boring numbers 37, 46, 48, and 49). These four locations were selected because they had relatively low FID readings and they were downgradient of the free product plume.

Soil samples were analyzed for VOCs using United States Environmental Protection Agency (U.S. EPA) Method SW-846 8260B, PAHs using U.S. EPA Method SW-846 8310, and TRPH using the Florida Petroleum Residual Organics (FL-PRO) method. ACCUTEST Southeast in Orlando, Florida performed the analyses.

2.2 SOIL INVESTIGATIONS (PHASES II, III AND IV)

Sample locations for Phase II were selected based on the 50 ppm line that was determined in Phase I and the post-excavation analytical results. The sample locations were selected near the 50 ppm line to identify a line where all contaminant concentrations were less than SCTLs and to quantify contamination at intermediate points between the 50 ppm line and the limit of the Day Tank 1 excavation. The sampling depths were based on the results of the Phase I FID measurements, and samples were collected from

depths that had both high and low FID readings. The Phase II soil investigation was performed October 7 through 12, 2002. Ninety-nine soil samples were collected from 46 borings from a typical depth of 3 to 4 feet below ground surface (bgs) and from the 1-foot interval immediately above the saturated zone. At a few locations where FID results suggested surface soil contamination, samples were also collected from 0 to 1 foot bgs. Headspace FID measurements were recorded on the soil samples using the same procedures as in Phase I. Samples from the 0- to 1-foot and 3- to 4-foot intervals were collected using a hand auger. The deeper samples were collected using DPT. Phase II borings were numbered CEF-293-101 through CEF-293-146 as shown on Figure 2-2. Boring logs are included in Appendix A. The last two digits of the sample number indicate the bottom depth of the sample interval. For example, CEF-293-SU-101-04 was collected from 3 to 4 feet bgs.

Surface and subsurface soil samples were collected as grab samples using plastic, disposable trowels. Subsurface samples collected by DPT used 4-foot-long plastic-lined macrocore samplers. Sampling activities were performed in accordance with the procedures described in the U.S. EPA Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (EISOPQAM) (U.S. EPA, 1996a), Sites 36 and 37 RI Report, and TtNUS Standard Operating Procedures (SOPs). As agreed by the Base Realignment and Closure (BRAC) Cleanup Team (BCT), no rinsate or trip blank samples were collected. In addition, field blanks were not collected because the sampling equipment was disposable.

Soil samples were analyzed for VOCs using U.S. EPA Method SW-846 8260B, PAHs using U.S. EPA Method SW-846 8310, and for TRPH using the FL-PRO method. ACCUTEST Southeast in Orlando, Florida performed the analyses. Laboratory reports are included in Appendix B.

Sample locations for Phase III were selected based on the 50 ppm line determined using Phase I and the Phase II analytical results. The sample locations were selected to further refine the line at which contaminant concentrations were less than SCTLs, typically between contaminated Phase II sample locations and relatively uncontaminated Phase II locations. The sampling depths were based on the results of the Phase II analytical results. The Phase III soil investigation was performed November 9 through 26, 2002. Forty-one soil samples were collected from 34 borings typically from the 1-foot interval immediately above the saturated zone. At a few locations where previous sampling results indicated the presence of contamination, samples were also collected from 3 to 4 feet bgs, 1 to 2 feet bgs, and from 0 to 1 foot bgs. Headspace FID measurements were made on the soil samples using the same procedures as in Phase I. Samples from 0 to 1 foot bgs and 3 to 4 feet bgs were collected using a hand auger. Deeper samples were collected using DPT. Phase III borings were numbered CEF-293-201 through CEF-293-234 as shown on Figure 2-2.

CEF-293-SU-201-04, CEF-293-SU-201-07, CEF-293-SU-202-04, CEF-293-SU-202-08, CEF-293-SU-203-04, CEF-293-SU-203-08, CEF-293-SU-204-04, CEF-293-SU-204-08, CEF-293-SS-231-02, and CEF-293-SU-232-03 were collected to delineate contamination in the area south of the former containment basin. CEF-293-SU-206-06, CEF-293-SU-207-06, and CEF-293-SU-212-06 were collected to delineate contamination near the northeastern corner of the Day Tank 1 excavation. CEF-293-SU-208-06, CEF-293-SU-210-06, and CEF-293-SU-211-06 were collected to delineate contamination in an area east of the basin. CEF-293-SU-213-06, CEF-293-SU-214-06, CEF-293-SU-215-06, CEF-293-SU-217-06, CEF-293-SU-218-06, and CEF-293-SU-219-06 were collected to delineate contamination beneath and east of Building 846. CEF-293-SU-221-06 and CEF-293-SU-222-06 were collected to delineate contamination near the southeastern corner of the Day Tank 1 excavation. CEF-293-SS-223-01, CEF-293-SU-224-04, CEF-293-SU-225-04, CEF-293-SU-226-04, and CEF-293-SU-227-04 were collected to delineate an isolated sample (CEF-293-SU-145-04) with a relatively high concentration of only benzo(a)pyrene located southwest of the Day Tank 1 excavation. CEF-293-SU-228-04, CEF-293-SU-228-06, CEF-293-SU-230-04, CEF-293-SU-230-06, CEF-293-SU-233-03, CEF-293-SU-234-04, and CEF-293-SU-234-06 were collected to delineate contamination along the southwestern side of the Day Tank 1 excavation. The former fuel containment pond is lined with plastic and contains 1 to 2 feet of water. Both the lining and the water prevented the collection of soil samples in this area.

Samples to be analyzed by the synthetic precipitation leaching procedure (SPLP) were chosen based on the presence of relatively high concentrations of contaminants that were frequently greater than the FDEP leachability to groundwater SCTL (ethylbenzene, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, and TRPH). The objective of the SPLP analyses was to determine if site-specific leachability SCTLs could be derived for these contaminants. The TPHCWG analyses were performed because the TRPH detected in soil samples most likely represents less toxic heavy hydrocarbons that remain after lighter compounds are removed by volatilization and leaching. Note that at each location for SPLP and TPHCWG analysis, each soil sample was initially analyzed for VOCs, PAHs, and TRPH to determine if SPLP or TPHCWG analysis would be useful.

Soil samples were analyzed for VOCs using U.S. EPA Method SW-846 8260B, PAHs using U.S. EPA Method SW-846 8310, and for TRPH using the FL-PRO method. SPLP was performed using U.S. EPA Method SW-846 1312 and subclassification was performed using the FDEP TPHCWG method. GPL Laboratories in Gaithersburg, Maryland performed the analyses.

Sample locations for Phase IV were selected to further refine the line at which contaminant concentrations were less than SCTLs. Typically these samples were collected between contaminated sample locations and relatively uncontaminated locations. The sampling depths were based on the results of the Phases II and III, but were limited by a water table that was about 1 foot higher than the previous phases. The

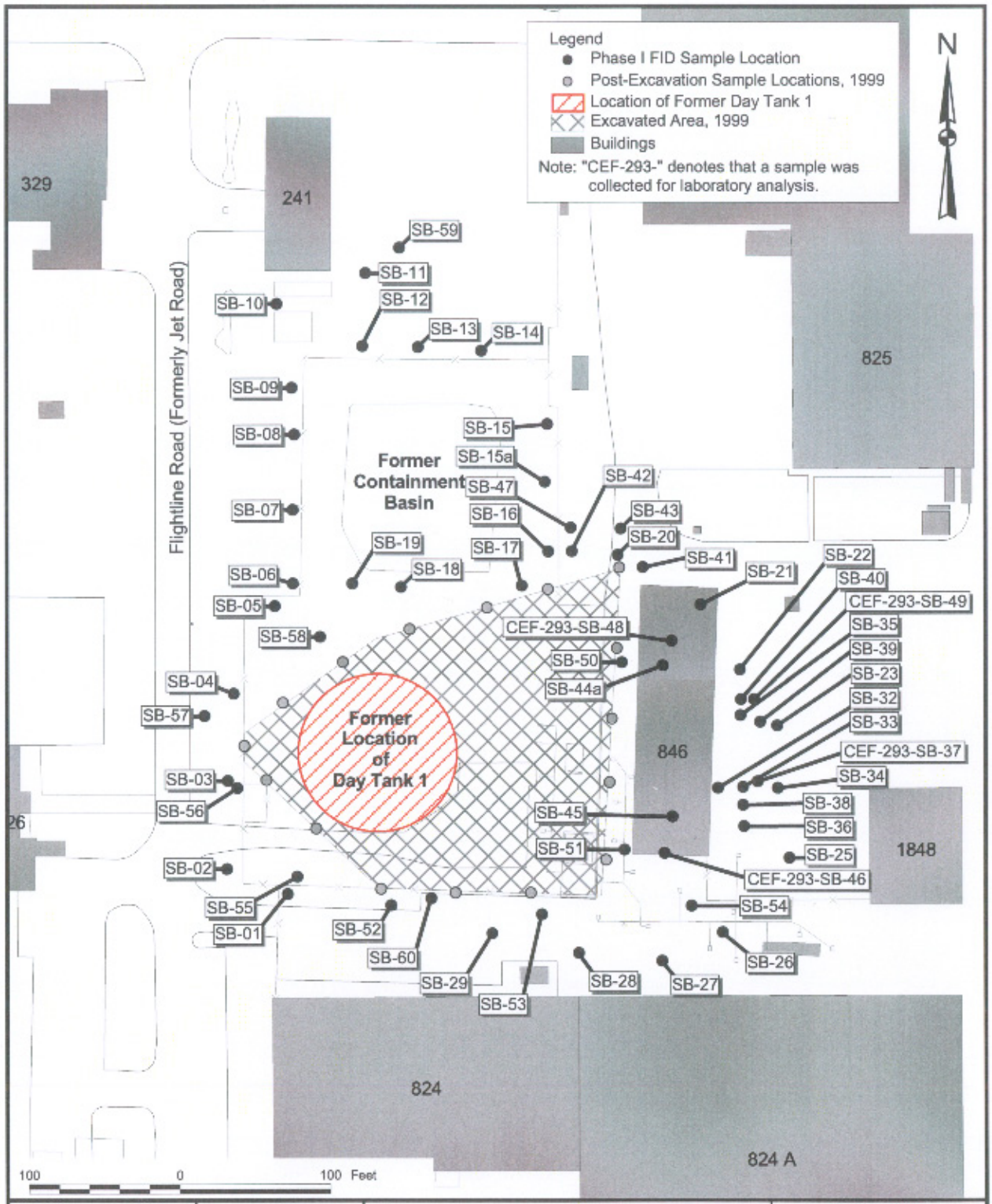
Phase IV soil investigation was performed September 2 through 4, 2003. Seventeen soil samples were collected from 17 borings from the 1-foot interval immediately above the saturated zone. Headspace photo-ionization detector (PID) measurements were made on the soil samples using the same procedures as in Phase I. Eight samples were collected using a hand auger where the hardpan was absent or thin. The remaining nine samples were collected using DPT. Phase IV borings were numbered CEF-293-301 through CEF-293-318 as shown on Figure 2-2. The sampling plan specified a boring numbered CEF-293-317, but the boring could not be advanced due to the proximity to the former transformer foundation, therefore, this sample was not collected.

CEF-293-SU-301-07, CEF-293-SU-302-07, and CEF-293-SU-303-08 were collected to delineate contamination near the northwestern side of the Day Tank 1 excavation. CEF-293-SU-304-07, CEF-293-SU-305-07, CEF-293-SU-306-07, CEF-293-SU-307-06, CEF-293-SU-308-06, CEF-293-SU-309-06, CEF-293-SU-310-06, and CEF-293-SU-311-06 were collected to delineate contamination in the area east of the former containment basin. CEF-293-SU-312-07, CEF-293-SU-313-06, CEF-293-SU-314-06, and CEF-293-SU-315-06 were collected to delineate contamination near the southeastern corner of the Day Tank 1 excavation. CEF-293-SU-316-06 and CEF-293-SU-318-06 were collected to delineate contamination along the southwestern side of the Day Tank 1 excavation.

Soil samples were analyzed for VOCs using U.S. EPA Method SW-846 8260B, PAHs using U.S. EPA Method SW-846 8310, and for TRPH using the FL-PRO method, depending on the contaminants detected in nearby samples. ACCUTEST Southeast in Orlando, Florida performed the analyses. Laboratory reports are included in Appendix B.

2.3 FREE PRODUCT INVESTIGATION (PHASE III)

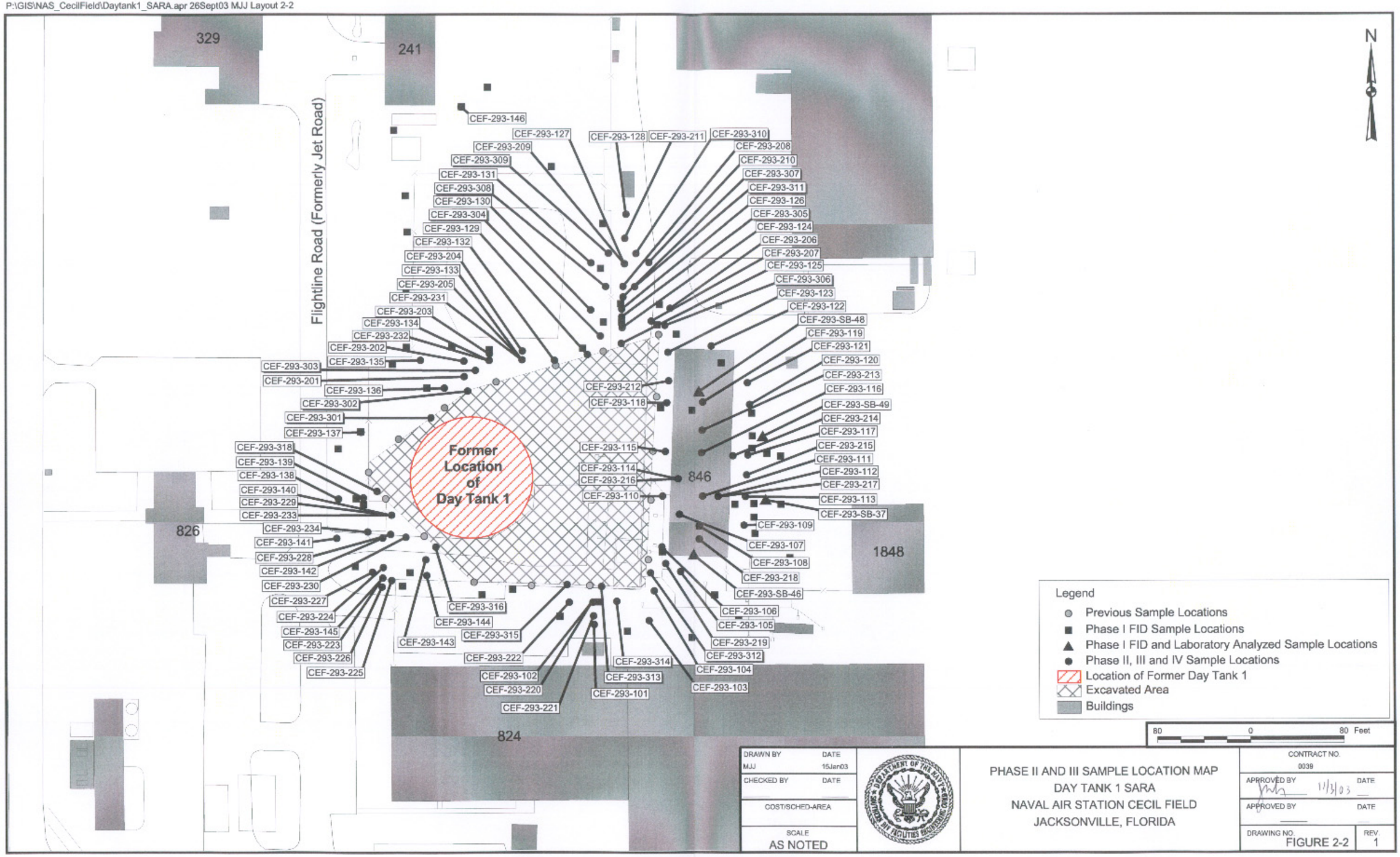
During Phase II, the free product in the temporary monitoring wells located in and around Building 846 was measured using an oil-water interface probe to determine if the extent of free product identified in the Sites 57 and 58 RI had changed. Measurements were made in September 2002 and October 2002. During the RI (October 2001), free product was observed only in wells TW-3, TW-4, and TW-11. However, in October 2002, free product was observed in wells TW-3, TW-4, TW-17, TW-18, TW-19, TW-22, and the vapor extraction well VEW-1. Because the free product appeared to have extended beyond the range of the existing wells, five temporary additional wells (TW-21 through TW-25) were installed during Phase III to determine the extent of free product. The locations of the new and existing temporary monitoring wells are shown on Figure 2-3.



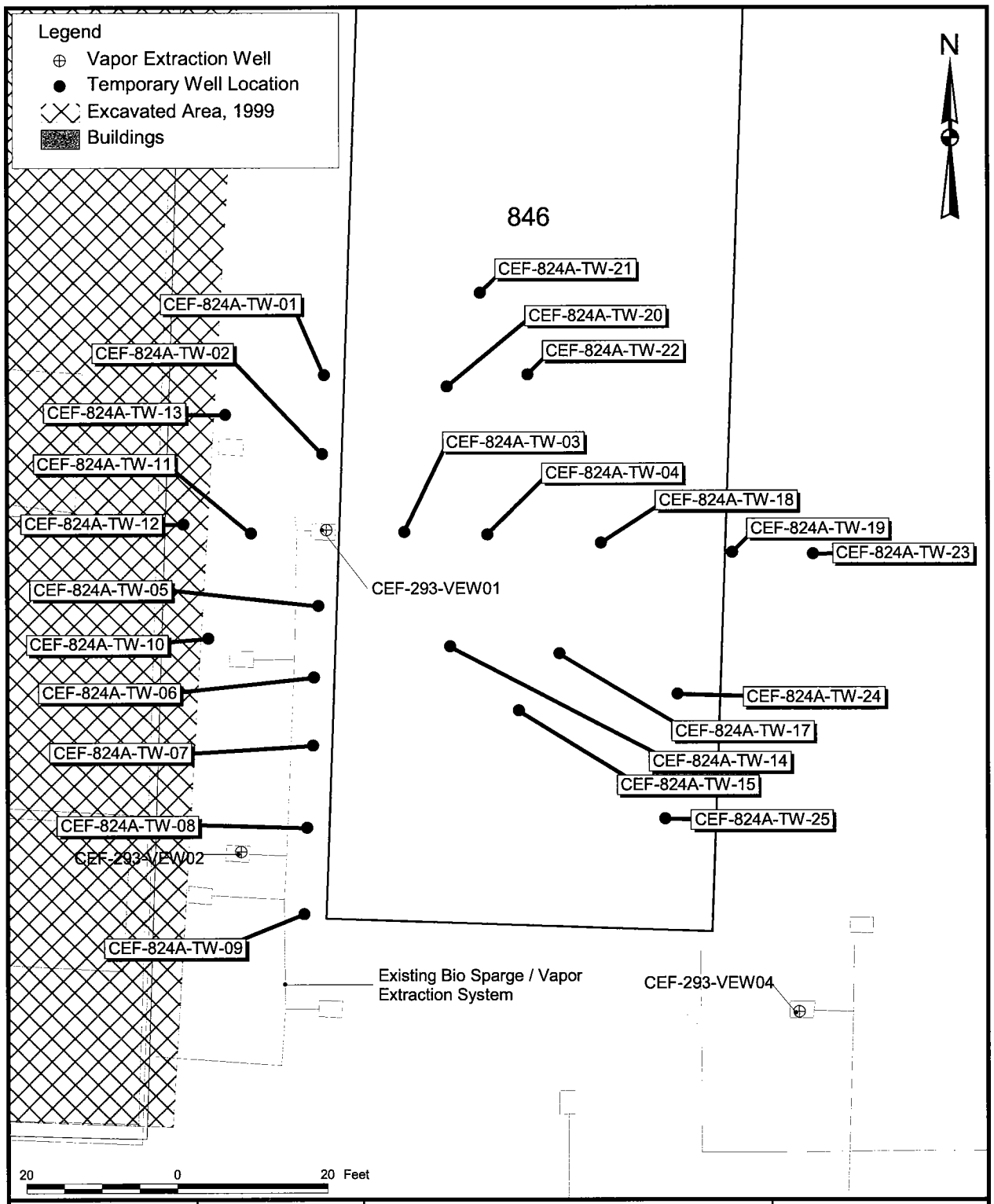
DRAWN BY MJJ	DATE 15Jan03	PHASE I SAMPLE LOCATION MAP DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 11/3/03
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 REV 0

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 2-1

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 26Sept03 MJJ Layout 2-2



DRAWN BY MJJ	DATE 15Jan03	PHASE II AND III SAMPLE LOCATION MAP DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 0039
CHECKED BY	DATE		APPROVED BY 11/3/03 DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-2 REV. 1



DRAWN BY MJJ	DATE 15Jan03	TEMPORARY MONITORING WELL LOCATIONS DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 1/3/03
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-3 REV 0

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 2-3

3.0 RESULTS AND EVALUATION

3.1 FID INVESTIGATION

3.1.1 Results

The Phase I FID measurements are summarized on Table 3-1. For each boring, the highest FID measurement in the unsaturated zone and its depth are shown on Figure 3-1. Based on these results, a 50 ppm line was estimated and is shown on Figure 3-1. This 50 ppm line is similar to the 50 ppm line that was determined for the 1997 RAP, also shown on Figure 3-1.

3.1.2 Evaluation

On the northeastern side of the site, the new line was about 40 feet beyond the 1997 line. On the northwestern, southeastern, and southern sides, the 1997 line was about 40 feet beyond the new line. The FID measurements of samples collected in Phases II and III were consistent with the new line in that samples collected outside the line had FID measurements of 0 ppm, while those samples within the line usually had positive values.

Many of the highest FID concentrations were observed in samples collected beneath Building 846. These high readings were also consistent with high contaminant concentrations and the free product observed in this area.

Because the liner and the standing water in the fuel containment basin prevented the collection of samples, the location of the 50 ppm line was estimated in this area. Samples collected along the eastern and western edges of the basin were used to estimate the location where the 50 ppm line passes under the basin.

3.2 SOIL SAMPLE DATA

3.2.1 Results

The laboratory results, FID, and PID readings for samples analyzed in Phases I, II, III, and IV are presented on Table 3-2. The results of the post-excavation samples are also provided in Table 3-2. This table includes the FDEP SCTLs for residential exposure, industrial exposure, and leachability to groundwater. Figure 3-2 shows the concentrations of each contaminant that exceeds the lesser of the residential SCTL or leachability to groundwater SCTL. The figure shows data from the post-excavation sampling and this SARA investigation. In Figure 3-3, red symbols indicate the presence of at least one

contaminant at a concentration greater than the lesser of the residential SCTL or leachability to groundwater SCTL. Green symbols indicate that no contaminant concentrations are greater than either the residential SCTL or leachability to groundwater SCTL. In Figure 3-4, red symbols indicate the presence of at least one contaminant at a concentration greater than the lesser of the industrial SCTL or leachability to groundwater SCTL. Green symbols indicate that no contaminant concentrations are greater than either the industrial SCTL or leachability to groundwater SCTL.

3.2.2 Evaluation

Contaminants detected in soil samples at concentrations greater than SCTLs were ethylbenzene, toluene, xylenes, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, benzo(a)pyrene (BaP), and TRPH (See Table 3-2). In general, samples that had high concentrations of TRPH typically had high concentrations of the VOCs and PAHs. TRPH concentrations were typically greater than the residential, industrial, and leachability to groundwater SCTLs. BaP, when detected, was usually at a concentration greater than residential SCTLs and industrial SCTLs. The concentrations of VOCs and other PAHs were less than residential SCTLs and industrial SCTLs but typically greater than leachability to groundwater SCTLs. The highest concentrations of VOCs, PAHs, and TRPH were generally observed in samples under Building 846 in the vicinity of the free product (see Figure 3-2).

With few exceptions, contaminant concentrations in samples collected from 3 to 4 feet bgs were less than SCTLs or not detected. The elevated contaminant concentrations were observed in the samples collected from just above the water table (6 to 8 feet bgs) suggesting that the remaining contaminated soil is the result of contaminants dissolved in or floating on the groundwater and smearing the soil as the groundwater table elevation changes.

There are a few locations where contamination was measured at shallower depths. The TRPH concentrations of samples CEF-293-SU-133-04, CEF-293-SU-134-04, and CEF-293-SU-140-04 were greater than the residential SCTL and leachability to groundwater SCTL, but less than the industrial SCTL. The deeper sample at CEF-293-SU-140 (CEF-293-SU-140-04) had a TRPH concentration less than the residential SCTL and leachability to groundwater SCTL, but had a total xylenes concentration greater than the leachability to groundwater SCTL.

One Phase II sample (CEF-293-SU-145-04) was further investigated in Phase III because the only contaminant that was greater than an SCTL was BaP (145 µg/kg). In Phase III, samples were collected around the Phase II sample to determine the extent of BaP contamination. No BaP was detected in these Phase III samples. Thus, the BaP contamination is localized in this area.

In Phase I, FID measurements were greater than 50 ppm in two borings to the east of Building 241 at the northern edge of the site (see Figure 3-1). In Phase II, samples CEF-293-SS-146-01, CEF-293-SU-146-04, and CEF-293-SU-146-06 were collected in this area. No VOCs or PAHs were detected in any of the samples, and TRPH was detected only in CEF-293-SU-146-04 at a concentration less than the residential SCTL (see Figure 3-2).

While most of the samples indicate the presence of contamination extending beyond the limits of the previous excavation, the contaminated soil in the vicinity of samples CEF-293-SU-127-04, CEF-293-SU-208-04, and CEF-293-SU-211-04 appears to be isolated.

3.3 SPLP DATA

3.3.1 Results

Tables 3-3, 3-4, and 3-5 present the results of the SPLP leachate analyses along with the associated soil contaminant concentrations for VOCs, PAHs, and TRPH, respectively. These tables include the leachability to groundwater SCTLs and the groundwater cleanup target level (GCTL) for each contaminant detected.

During the preparation of the sampling plan for Phase III, six locations were selected for SPLP analysis based on the laboratory results of the Phase II samples. These samples were collected and analyzed for VOCs, PAHs, and TRPH prior to performing the SPLP. The contaminant concentrations for two of the samples (CEF-293-SU-205-08 and CEF-293-229-04) were found to be too low for meaningful analysis by SPLP; thus, two other Phase III samples were substituted for SPLP analysis after the results were received from the laboratory.

3.3.2 Evaluation

VOCs

The SPLP leachates from four samples (CEF-293-SU-209-06, CEF-293-SU-213-06, CEF-293-SU-214-06, and CEF-293-SU-217-06) were analyzed for VOCs (see Table 3-3). VOC soil concentrations in sample CEF-293-SU-209-06 was very low, so no VOCs were detected in the SPLP leachate as expected.

Soil concentrations of several VOCs in samples CEF-293-SU-213-06 and CEF-293-SU-217-06 were greater than the leachability to groundwater SCTLs, and VOCs were detected in the leachate as expected, as shown on Table 3-3. Ethylbenzene and xylenes were detected in the leachate from CEF-293-SU-213-06, and xylenes were detected in the leachate from CEF-293-SU-217-06. The concentration of xylenes exceeded the GCTL for both samples, and the ethylbenzene concentration was

less than the GCTL compared to an associated soil sample ethylbenzene concentration of 9,500 µg/kg. Thus, there are no site-specific adjustments for xylenes, but the site-specific leachability criteria for ethylbenzene is 9,500 µg/kg.

Note that the results of the fourth sample collected for SPLP analysis (CEF-293-SU-214-06) were not considered. The SPLP leachate concentrations were greater than 20 times the associated soil concentrations. Because of the analytical method procedures, the leachate concentrations cannot be more than 20 times the soil concentrations. Thus, the anomalous results could not be used for the evaluation of site-specific leachability.

Finally, the detection limits for the leachate in all four samples was relatively high. However, the concentrations of ethylbenzene and xylenes were high enough to permit estimation of the leachate concentrations.

PAHs

The SPLP leachates from four samples (CEF-293-SU-209-06, CEF-293-SU-213-06, CEF-293-SU-214-06, and CEF-293-SU-217-06) were analyzed for PAHs (see Table 3-4). Soil concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene in all four samples were greater than the leachability to groundwater SCTLs, and these naphthalenes were detected in the leachate from these samples. The concentrations of naphthalenes in the leachate from sample CEF-293-SU-209-06 were less than GCTLs. The concentrations of the naphthalenes in the leachate from the other three samples were greater than the GCTLs. Because most of the leachate concentrations were greater than GCTLs, no site-specific leachability SCTLs are proposed for any PAH. Therefore, it was concluded that the FDEP SCTLs for leachability to groundwater would still be applied.

TRPH

The SPLP leachates from six samples (CEF-293-SU-207-06, CEF-293-SU-209-06, CEF-293-SU-213-06, CEF-293-SU-214-06, CEF-293-SU-216-06, and CEF-293-SU-217-06) were analyzed for TRPH (see Table 3-5). Soil concentrations in all six samples were greater than the leachability to groundwater SCTL. However, no TRPH was detected in any of the SPLP leachates. The highest TRPH concentration of the six samples was 14,000 mg/kg, and that value will be used as a site-specific leachability criteria. Because of uncertainties, higher concentrations of TRPH will be assumed to be leachable.

The higher leachability criteria affects the evaluation of several samples where the TRPH is the only contaminant detected, but at a concentration less than the industrial SCTL: CEF-293-SU-125-06, CEF-293-SU-133-04, CEF-293-SU-134-04, CEF-293-SU-140-04, CEF-293-SU-230-04, CEF-293-SU-

232-04, and CEF-293-SU-233-03. Under an industrial scenario, no action would be required at these locations.

The absence of TRPH in the leachate is not unexpected considering the age of the spill. Volatilization and leaching from precipitation over the years would have removed the components that would be extracted by the SPLP leaching solution.

Summary

The leachability SCTLs of the naphthalenes are very low and will be the controlling issue in further evaluation of the site in general. In most samples where these naphthalenes are detected, the concentration of at least one of the compounds exceeded the leachability SCTL. The low leachability of TRPH does not have a major impact on remediation and risk evaluation of the site, based on the TRPH concentrations observed. Locations with very high TRPH concentrations typically require remediation because of the concentrations of PAHs. Similarly, the leachability of ethylbenzene in soil at low concentrations may not be the controlling factor in evaluating remediation and risk because of the relatively high concentrations of PAHs that are also present.

3.4 TPHCWG DATA

3.4.1 Results

Table 3-6 summarizes the results of the TPHCWG subclassification analyses and includes the FDEP SCTLs for residential exposure, industrial exposure, and leachability to groundwater for each subclassification.

During the preparation of the sampling plan for Phase III, three locations were selected for TPHCWG analysis based on the laboratory results of the Phase II samples. These samples were collected and analyzed for TRPH prior to performing the TPHCWG. The contaminant concentrations for two of the samples (CEF-293-SU-205-08 and CEF-293-229-04) were found to be too low for meaningful analysis by TPHCWG; thus, two other Phase III samples were substituted for TPHCWG analysis after the results were received from the laboratory.

Three samples were analyzed for TPHCWG subclassification (CEF-293-SU-207-06, CEF-293-SU-216-06, and CEF-293-SU-217-06). CEF-293-SU-207-06 was selected for analysis because it had a relatively low TRPH concentration (1,500 mg/kg). The other two samples had relatively high TRPH concentrations (4,800 and 7,600 mg/kg).

3.4.2 Evaluation

As shown on Table 3-6, the TRPH concentration of CEF-293-SU-207-06 was greater than the residential criteria, but less than industrial criteria. The concentrations of the subclassifications were all less then residential criteria. The TRPH concentrations of CEF-293-SU-216-06 and CEF-293-SU-217-06 were greater than residential and industrial criteria. In both samples, the concentrations of two of the subclassifications were greater than residential criteria but less than industrial criteria, and the concentrations of the remaining subclassifications were less than residential and industrial criteria.

The concentration of each subclassification was also calculated as a percentage of the total of the subclassifications (see Appendix C), as summarized on Table 3-7. A comparison of the percentages for each subclassification shows that the results from samples CEF-293-SU-216-06 and CEF-293-SU-217-06 are similar while the results for CEF-293-SU-207-06 were different from the other two samples. However, the results of the three samples were used to develop the concentration range for each subclassification. For each range, the maximum percentage was used to provide a conservative estimate of the concentrations of each subclassification in other samples. The maximum TRPH concentration observed at the site was 21,500 mg/kg and the concentrations of each subclassification were estimated for this TRPH concentration, as shown on Table 3-7. Even for this maximum TRPH concentration, the individual subclassification concentrations are less than industrial criteria, although residential criteria are exceeded for three subclassifications. Thus, the exposure based on 21,500 mg/kg TRPH would be acceptable for industrial exposure.

These results were used to estimate a site-specific residential SCTL for TRPH. Using the percentages of each subclassification, as described above, the concentration of each subclassification can be estimated from the TRPH results. By dividing the FDEP residential SCTL for each subclassification by the percentage of the subclassification (as a fraction) the TRPH concentration which has an acceptable concentration of that subclassification can be obtained. Because each subclassification has a different FDEP SCTL and percentage, the estimated acceptable TRPH concentration for each subclassification will not be the same. The subclassification yielding the lowest TRPH concentration determines the site-specific residential SCTL. In this case, the C14 – C16 aliphatic subclassification has the lowest value, 2,641 mg/kg. After rounding and allowing a little conservativeness, the site-specific residential SCTL for TRPH is estimated to be 2,500 mg/kg. The table in Appendix C shows these calculations.

The sum of the subclassification concentrations was also compared the TRPH analysis. For CEF-293-SU-207-06, the sum was 658 mg/kg compared to a TRPH of 1,500 mg/kg, which is 43 percent. For CEF-293-SU-216-06, the sum was 6,102 mg/kg compared to a TRPH of 4,800 mg/kg, which is 130 percent. For CEF-293-SU-217-06, the sum was 8,052 mg/kg compared to a TRPH of 7,600 mg/kg, which is 106 percent. The reason for the difference is probably attributable to the analyses being performed on

soil collected from slightly different locations within the sampling tube. Separate sample bottles were collected for the TRPH and the TPHCWG analyses.

In summary, the TPHCWG subclassification results indicate that the TRPH concentrations observed at the site would meet industrial use criteria, but residential criteria would not be met in many cases.

3.5 FREE PRODUCT INVESTIGATION

3.5.1 Results

Temporary monitoring wells CEF-293-TW-21 through CEF-293-TW-25 were installed downgradient of the existing wells where free product was observed. The temporary monitoring well locations are shown on Figure 2-3. No free product was observed in the new wells. Table 3-8 and Figure 3-5 summarize the free product observations at the site.

3.5.2 Evaluation

The new temporary wells showed that the extent of the free product is limited, as shown on Figure 3-5. However, it is also possible that the free product observed in wells TW-17, TW-18, and TW-19 in October 2002 was the result of the decrease in the groundwater water level between September 2002 and October 2002. A decrease in the water table often results in an increase in the thickness of free product (USEPA, 1996b).

The free product thickness measurements from wells VEW-1, TW-3, TW-19, and TW-20 were used to estimate the volume of free product. The free product thicknesses in these wells in October 2002 were 1 foot, 1 foot, 0.3 foot, and 0.2 foot, respectively, for an average of 0.6 foot. The thickness of the free product in the formation can be approximated as ¼ the thickness observed in monitoring wells (USEPA, 1996b), so the thickness is estimated to be 0.6 foot/4 = 0.2 feet. The area enclosed by these wells is about 1,600 square feet. Assuming a porosity value for typical of Cecil Field sites of 0.3, the volume of free product is estimated as:

$$V, \text{ gallons} = \text{Area, ft}^2 \times \text{thickness, ft} \times \text{porosity} \times 7.481 \text{ gallons/ft}^3.$$

$$V, \text{ gallons} = 1{,}600 \text{ ft}^2 \times 0.2 \text{ ft} \times 0.3 \times 7.481 \text{ gallons/ft}^3 = 700 \text{ gallons}.$$

Because there are many uncertainties associated with estimating the volume of free product floating on the groundwater (USEPA, 1996b), this value should be considered as the low end of a range. Conservatively, the actual volume may be several times this estimated value.

During routine operation of the groundwater treatment system, free product has been removed from the wells (CH2MHill, 2002). During early operations in 2000, this was performed weekly and the free-product thickness in VEW-1 was 1 to 3 feet during that period even though free product was removed weekly. The return of the free product to the same thickness suggests that some portion of the free product can be recovered with more frequent or continuous removal methods. However, the formation consists of silty sand, and free product does not generally flow well through fine material. Thus, a relatively high recovery rate may be observed initially until the free product layer thins out locally in the vicinity of a recovery well. Because of the slow movement of free product through the formation, a recovery well may only be effective at recovering free product over a small area.

3.6 GEOLOGY

Hand augering, which had been used for soil sampling to the water table at numerous sites at NAS Cecil Field, was planned for SARA soil sampling. However, at many locations at Day Tank 1, a layer of hardpan that could not be penetrated with a hand auger was encountered at a relatively shallow depth. A hardpan layer had been encountered at Cecil Field but at a greater depth where DPT or conventional drilling was already being used. Thus, the Phase I borings had to be finished using DPT, and later phases were performed using DPT.

During the investigation, the depth to the hardpan ranged from about 3 to 6 feet bgs. At the northernmost and southernmost edges of the area investigated, the depth to the hardpan was about 2 to 4 feet bgs. Along a broad east-west line through the central portion of the site, the depth to the hardpan was typically 5 to 6 feet bgs, and hardpan was frequently not encountered in borings on the east side of the site. The hardpan was typically about 1 foot thick, but there were a few locations southwest and west of the basin where the layer was 2 to 4 feet thick. At several borings in the northern part of the site, in the vicinity of the basin, perched groundwater was observed above the hardpan.

During sample collection, the soil type was classified. Throughout the site and at all depths, fine sand and silty fine sand were encountered.

3.7 OVERALL SUMMARY OF RESULTS

Based on the results of the investigation, soil contamination at Day Tank 1 can be summarized as follows:

- In general, soil contamination is limited to near the water table, about 4 to 8 feet bgs. There is one area where contamination is located near the surface; elevated concentrations of contaminants extend upward to shallower depths below the foundation of Building 846.

- The extent of contamination is primarily defined by ethylbenzene, xylenes, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations greater than the leachability to groundwater SCTLs. There is one location where BaP is the only contaminant at a concentration greater than the residential SCTL. TRPH concentrations are generally less than site-specific leachability criteria as determined by SPLP analyses. However, high concentrations of TRPH are generally found with high concentrations of the naphthalene compounds and other VOCs, and the SCTLs for these specific compounds control the extent of contamination.

- Free product is only found beneath the Building 846. The highest soil concentrations are generally associated with the free product.

Figure 3-6 summarizes the extent of contamination based on residential and industrial reuse of the site. In this figure, green symbols indicate that all no contaminants are greater than either the exposure SCTLs or leachability to groundwater SCTLs. Different color symbols indicate either the presence of at least one contaminant at a concentration greater than the residential SCTLs only, greater than the residential and industrial SCTLs, or greater than the leachability to groundwater SCTLs. If available, site-specific leachability values and TPHCWG subclassification results are considered in this figure.

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-01	8/8/2002	6.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-02	8/8/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	6.4	-	6.4	
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	14.6	2.1	12.5	
			6-7	2.6	-	2.6	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-03	8/8/2002	4.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Moist
			4-5	0.0	-	0.0	Saturated
CEF-293-SB-04	8/8/2002	5.0	0-1	8.1	-	8.1	
			1-2	594.7	13.1	**581.6**	
			2-3	16.6	NR	NR	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	Moist
			5-6	0.0	-	0.0	Hardpan
CEF-293-SB-05	8/13/2002	4.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Perched water above hardpan
			4-5	0.0	-	0.0	Saturated
CEF-293-SB-06	8/13/2002	9.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Perched water above hardpan
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Hardpan
			6-7	0.0	-	0.0	
			7-8	35.0	26.1	8.9	
			8-9	59.6	45.2	14.4	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-07	8/13/2002	9.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	Perched water above hardpan
			5-6	17.1	12.3	4.8	Hardpan
			6-7	11.3	9.9	1.4	
			7-8	33.9	28.6	5.3	End of hardpan
			8-9	0.0	-	0.0	Saturated
CEF-293-SB-08	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	
			7-8	0.0	-	0.0	
			8-9	0.0	-	0.0	Saturated
CEF-293-SB-09	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Moist
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	40.6	32.1	8.5	
			6-7	105.2	79.6	25.6	
			7-8	7.0	0.0	7.0	Saturated
CEF-293-SB-10	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Moist
			3-4	22.2	18.5	3.5	Perched water above hardpan
			4-5	24.2	24.3	NR	
			5-6	23.9	21.0	2.9	Hardpan
			6-7	120.2	92.8	27.2	
			7-8	53.1	46.8	6.3	Saturated
CEF-293-SB-11	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	Perched water above hardpan
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	230.3	99.2	**131.1**	
			6-7	172.6	76.8	**95.8**	
			7-8	354.1	170.7	**183.4**	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-12	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	Perched water above hardpan
			3-4	NS	NS	NS	Too wet, no sample taken
			4-5	NS	NS	NS	Perched water above hardpan
			5-6	0.0	-	0.0	Hardpan
			6-7	11.9	2.1	9.8	Organic roots
			7-8	14.2	1.8	12.4	Saturated
CEF-293-SB-13	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	Moist
			3-4	0.0	-	0.0	Moist
			4-5	0.0	-	0.0	Hardpan
			5-6	4.2	-	4.2	
			6-7	0.0	-	0.0	
			7-8	7.1	-	7.1	Saturated
CEF-293-SB-14	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Moist
			4-5	0.0	-	0.0	Hardpan
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-15	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Hardpan
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-15A	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Moist
			3-4	0.0	-	0.0	
			4-5	207.1	8.2	**198.9**	
			5-6	274.8	2.1	**272.7**	Hardpan
			6-7	684.4	0.0	**684.4**	Moist
			7-8	710.0	28.6	**681.4**	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-16	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Moist
			4-5	29.7	-	29.7	Hardpan
			5-6	39.2	-	39.2	
			6-7	624.3	58.1	**566.2**	Moist
			7-8	1246.0	188.2	**1057.8**	Saturated
CEF-293-SB-17	8/13/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	54.8	-	**54.8**	
			4-5	198.8	-	**198.8**	Perched water above hardpan
			5-6	335.6	10.5	**325.1**	Hardpan
			6-7	865.9	20.1	**845.8**	Moist
			7-8	1999.0	719.8	**1279.2**	Saturated
CEF-293-SB-18	8/13/2002	8.5	0-1	25.3	15.2	10.1	
			1-2	25.6	14.9	10.7	Moist
			2-3	74.0	12.9	**61.1**	
			3-4	782.5	188.9	**593.6**	
			4-5	1594.0	213.7	**1380.3**	Perched water above hardpan
			5-6	140.2	75.8	**64.4**	Hardpan
			6-7	492.3	210.9	**281.4**	End of the hardpan
			7-8	1080.0	215.4	**864.6**	Saturated
CEF-293-SB-19	8/13/2002	8.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	21.6	4.9	16.7	Hardpan
			5-6	22.4	2.0	20.4	
			6-7	54.8	6.9	47.9	
			7-8	1056.0	65.8	**990.2**	End of the hardpan
			8-9	1025.0	42.6	**982.4**	Saturated
CEF-293-SB-20	8/8/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	20.5	-	20.5	
			5-6	94.4	4.2	**90.2**	
			6-7	256.2	4.0	**252.2**	Moist
			7-8	494.4	10.5	**483.9**	Saturated
CEF-293-SB-21	8/8/2002	6.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-22	8/8/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	Hardpan
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	
			7-8	0.0	-	0.0	
CEF-293-SB-23	8/8/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	5.3	-	5.3	Saturated
CEF-293-SB-25	8/8/2002	6.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated
CEF-293-SB-26	8/8/2002	6.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	Hardpan
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated
CEF-293-SB-27	8/8/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated
CEF-293-SB-28	8/8/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Hardpan
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated
CEF-293-SB-29	8/8/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Hardpan
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-32	8/8/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	378.2	-	**378.2**	
			5-6	1098.0	-	**1098.0**	
			6-7	2856.0	-	**2856.0**	
			7-8	1331.0	-	**1331.0**	Moist
			8-9	66.9	-	**66.9**	Saturated
CEF-293-SB-33	8/8/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	558.1	-	**558.1**	
			5-6	1675.0	-	**1675.0**	
			6-7	2181.0	-	**2181.0**	
			7-8	1028.0	15.1	**1012.9**	Saturated
CEF-293-SB-34	8/8/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Saturated
CEF-293-SB-35	8/8/2002	8.0	0-1	0.0	-	0.0	
			1-2	114.3	-	**114.3**	
			2-3	49.9	-	49.9	
			3-4	38.0	-	38.0	
			4-5	910.0	-	**910.0**	
			5-6	2490.0	-	**2490.0**	
			6-7	2481.0	-	**2481.0**	Moist
			7-8	2156.0	-	**2156.0**	Saturated
CEF-293-SB-36	8/8/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-37	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	13.1	18.0	NR	Hardpan
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-38	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Hardpan
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-39	8/9/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	4253.0	-	**4253.0**	Hardpan
			5-6	3152.0	9.8	**3142.2**	Moist
			6-7	2455.0	-	**2455.0**	Saturated
			7-8	N/A	-	N/A	
CEF-293-SB-40	8/9/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	268.0	5.0	**263.0**	
			4-5	1710.0	9.0	**1701.0**	
			5-6	4268.0	-	**4268.0**	
			6-7	1633.0	10.0	**1623.0**	Moist
			7-8	1179.0	6.0	**1173.0**	Saturated
CEF-293-SB-41	8/9/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-42	8/9/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	564.0	46.4	**517.6**	
			5-6	877.6	96.0	**781.6**	
			6-7	650.0	68.6	**581.4**	Moist
			7-8	571.0	95.9	**475.1**	Saturated
CEF-293-SB-43	8/9/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-44	8/9/2002	N/A	0-1	0.0	-	0.0	
			1-2	211.0	4.0	**207.0**	
			2-3	159.8	3.4	**156.4**	
			3-4	N/A	-	N/A	Roots
			4-5	N/A	-	N/A	Auger refusal
			5-6	N/A	-	N/A	N/A
			6-7	N/A	-	N/A	N/A
			7-8	N/A	-	N/A	N/A
CEF-293-SB-44A	8/9/2002	8.0	0-1	68.4	-	**68.4**	
			1-2	102.4	-	**102.4**	
			2-3	154.2	-	**154.2**	
			3-4	884.6	5.9	**878.7**	Roots
			4-5	1619.0	-	**1619.0**	End of Roots
			5-6	1908.0	-	**1908.0**	Hardpan
			6-7	2402.0	-	**2402.0**	
			7-8	1290.0	-	**1290.0**	Saturated
CEF-293-SB-45	8/9/2002	9.0	0-1	31.4	-	31.4	
			1-2	66.3	-	**66.3**	
			2-3	135.1	-	**135.1**	
			3-4	296.4	-	**296.4**	
			4-5	886.2	-	**886.2**	
			5-6	2054.0	-	**2054.0**	Hardpan
			6-7	2895.0	-	**2895.0**	
			7-8	1904.0	-	**1904.0**	Moist
			8-9	578.7	-	**578.7**	Saturated
CEF-293-SB-46	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	12.9	-	12.9	
			5-6	24.2	-	24.2	Hardpan
			6-7	30.4	-	30.4	Moist
			7-8	270.1	-	**270.1**	Saturated
CEF-293-SB-47	8/9/2002	7.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	402.0	41.0	**361.0**	
			6-7	471.0	30.0	**441.0**	
			7-8	264.0	-	**264.0**	Saturated
CEF-293-SB-48	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	16.1	-	16.1	Hardpan
			6-7	53.1	-	**53.1**	Moist
			7-8	78.0	-	**78.0**	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-49	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	16.6	0.6	16.0	
			5-6	14.0	-	14.0	Hardpan
			6-7	110.1	-	**110.1**	Moist
			7-8	116.9	-	**116.9**	Saturated
CEF-293-SB-50	8/9/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	60.1	-	**60.1**	
			3-4	150.0	-	**150.0**	
			4-5	615.4	-	**615.4**	
			5-6	3956.0	-	**3956.0**	Hardpan
			6-7	4749.0	-	**4749.0**	
			7-8	1814.0	-	**1814.0**	Moist
			8-9	603.0	-	**603.0**	Saturated
CEF-293-SB-51	8/9/2002	7.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	135.8	-	**135.8**	
			5-6	329.2	-	**329.2**	Hardpan
			6-7	173.9	-	**173.9**	Saturated
CEF-293-SB-52	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-53	8/14/2002	8.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	
			4-5	248.5	-	**248.5**	Hardpan
			5-6	364.2	-	**364.2**	
			6-7	968.4	-	**968.4**	Moist
			7-8	942.3	-	**942.3**	Moist
			8-9	959.1	-	**959.1**	Saturated
CEF-293-SB-54	8/14/2002	8.5	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Hardpan
			3-4	0.0	-	0.0	
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Moist
			8-9	0.0	-	0.0	Saturated

TABLE 3-1

FID HEADSPACE MEASUREMENTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

SAMPLE				OVA SCREENING RESULTS			
BORING NO.	DATE COLLECTED	DEPTH TO WATER (feet bgs)	SAMPLE INTERVAL (feet bgs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS
CEF-293-SB-55	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	16.7	9.4	7.3	
			2-3	10.1	6.7	3.4	
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Moist
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-56	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	140.3	8.1	**132.2**	
			2-3	133.6	-	**133.6**	Moist
			3-4	316.8	-	**316.8**	Saturated
			4-5	30.9	-	30.9	Saturated
			5-6	51.7	-	**51.7**	Hardpan
			6-7	783.2	-	**783.2**	Moist
			7-8	944.2	-	**944.2**	Saturated
CEF-293-SB-57	8/14/2002	8.0	0-1	26.0	6.5	19.5	
			1-2	0.0	-	0.0	Saturated
			2-3	0.0	-	0.0	Saturated
			3-4	NS	-	NS	Too wet to sample
			4-5	0.0	-	0.0	Saturated
			5-6	0.0	-	0.0	Moist
			6-7	0.0	-	0.0	Hardpan
			7-8	0.0	-	0.0	Saturated
CEF-293-SB-58	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	Moist
			3-4	0.0	-	0.0	Moist
			4-5	0.0	-	0.0	
			5-6	30.7	15.1	15.6	Hardpan
			6-7	89.2	40.6	48.6	Dry
			7-8	34.9	29.4	5.5	Saturated
CEF-293-SB-59	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	Moist
			2-3	0.0	-	0.0	Moist
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	73.7	32.6	41.1	Dry
			6-7	178.4	66.5	**111.9**	Moist
			7-8	168.1	78.6	**89.4**	Saturated
CEF-293-SB-60	8/14/2002	8.0	0-1	0.0	-	0.0	
			1-2	0.0	-	0.0	
			2-3	0.0	-	0.0	
			3-4	0.0	-	0.0	Hardpan
			4-5	0.0	-	0.0	
			5-6	0.0	-	0.0	
			6-7	0.0	-	0.0	
			7-8	0.0	-	0.0	Saturated

NOTES:
Shading indicates results greater than 50 ppm.
bgs = Below ground surface.
ppm = Parts per million.
NS = Not sampled.
N/A = Not available.
NR = Not recorded.
- = No measurement taken.

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	FDEP SCTL[1]			CEF-293-								
	Residential Direct Exposure	Industrial Direct Exposure	Leachability to Groundwater	C-001	C-002	C-003	C-004	C-005	C-006	C-007	C-008 Sample	C-108 Duplicate
Volatile Organic Compounds, ug/kg												
BENZENE	1,100	1,600	7	1800 U	1 U	1 U	230 U	109 U	**0.5**	**0.2**	2 U	2 U
ETHYLBENZENE	1,100,000	8,400,000	600	**10000**	1 U	1 U	230 U	**62**	**2**	**0.2**	2 U	2 U
METHYL TERT-BUTYL ETHER	3,200,000	22,000,000	200	9200 U	6 U	**1.4**	1200 U	545 U	**1**	**1.3**	10 U	10 U
TOLUENE	380,000	2,600,000	500	**1700**	**1.3**	**1.4**	1200 U	545 U	**2**	**0.9**	**3.1**	**1.5**
TOTAL XYLENES	5,900,000	40,000,000	200	**35000**	2 U	**0.6**	**9400**	**250**	**6**	**0.6**	**1.8**	**1.1**
Semivolatile Organic Compounds, ug/kg												
1-METHYLNAPHTHALENE	68,000	470,000	2,200	**51000**	11 U	11 U	**25000**	11 U	11 U	13 U	**1400**	**20000 J**
2-METHYLNAPHTHALENE	83,000	560,000	6,100	**36000**	**21**	11 U	**18000**	**85**	**24**	**37**	11 U	**14000 J**
ACENAPHTHENE	1,900,000	18,000,000	2,100	12 U	11 U	11 U	12 U	11 U	11 U	13 U	**97**	**170 J**
ACENAPHTHYLENE	1,100,000	11,000,000	27,000	**2800**	**20**	11 U	**1100**	**27**	**16**	**22**	**23**	**780**
ANTHRACENE	18,000,000	260,000,000	2,500,000	**1200**	11 U	11 U	**550**	11 U	11 U	13 U	**34**	**340 J**
BENZO(A)ANTHRACENE	1,400	5,000	3,200	**270**	11 U	11 U	**150**	11 U	11 U	13 U	11 U	14 U
BENZO(A)PYRENE	100	500	8,000	**33**	11 U	11 U	**11**	11 U	**43**	**37**	**11**	**40 J**
BENZO(B)FLUORANTHENE	1,400	4,800	10,000	**60**	11 U	11 U	**23**	11 U	**22**	**17**	**14**	**30 J**
BENZO(G,H,I)PERYLENE	2,300,000	41,000,000	32,000,000	12 U	11 U	11 U	12 U	11 U	11 U	13	11 U	14 U
BENZO(K)FLUORANTHENE	15,000	52,000	25,000	**18**	11 U	11 U	12 U	11 U	**20**	13 U	**76**	**150 J**
CHRYSENE	140,000	450,000	77,000	**170**	11 U	11 U	**41**	11 U	11 U	13 U	11 U	14 U
DIBENZO(A,H)ANTHRACENE	100	500	30,000	**18**	11 U	11 U	12 U	**240**	11 U	29	**24**	**470 J**
FLUORANTHENE	2,900,000	48,000,000	1,200,000	**2800**	11 U	11 U	**2100**	11 U	**16**	**18**	11 U	1200 J
FLUORENE	2,200,000	28,000,000	160,000	**1200**	11 U	11 U	**590**	11 U	11 U	13 U	11 U	380 J
INDENO(1,2,3-CD)PYRENE	1,500	5,300	28,000	12 U	11 U	11 U	12 U	11 U	11 U	13 U	**13**	19 J
NAPHTHALENE	40,000	270,000	1,700	**13000**	11 U	11 U	**5400**	**36**	**30**	**45**	11 U	**3400 J**
PHENANTHRENE	2,000,000	30,000,000	250,000	**2000**	11 U	11 U	**1200**	11 U	11 U	13 U	**24**	**650**
PYRENE	2,200,000	37,000,000	880,000	**2700**	11 U	11 U	**2200**	11 U	11 U	13 U	11 U	**1400**
Total Petroleum Hydrcarbons, mg/kg												
TRPH	340	2,500	340	**8400**	2.8 U	2.7 U	**7200**	**350**	**15**	**9.4**	**100 J**	**300 J**
Field Measurements, ppm												
FID[2]	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-												
	C-009	C-010	C-011	C-012	C-013	C-014	C-015	C-016	SB37-06	SB46-06	SB48-06	SB49-05	SU-101-04
Volatile Organic Compounds, ug/kg													
BENZENE	97 U	140 U	230 U	200 U	2 U	1 U	200 U	110 U	6.6 U	7.3 U	6.4 U	6.3 U	6.6 U
ETHYLBENZENE	97 U	140 U	230 U	200 U	**0.6**	**0.3**	**1300**	**3700**	6.6 U	7.3 U	6.4 U	6.3 U	6.6 U
METHYL TERT-BUTYL ETHER	490 U	700 U	1100 U	980 U	NA	NA	NA	NA	6.6 U	7.3 U	6.4 U	6.3 U	6.6 U
TOLUENE	490 U	**130**	1100 U	980 U	**1.1**	**0.6**	980 U	**160**	6.6 U	7.3 U	6.4 U	**4.6 J**	6.6 U
TOTAL XYLENES	**90**	**330**	**13000**	**3400**	**2.2**	**1.1**	**4700**	**11000**	20 U	22 U	19 U	19 U	20 U
Semivolatile Organic Compounds, ug/kg													
1-METHYLNAPHTHALENE	**690**	**1200**	**50000 J**	**10000**	13 U	11 U	**35000**	**36000**	410 U	410 U	380 U	360 U	400 U
2-METHYLNAPHTHALENE	**380**	**540**	**37000 J**	**6800**	13 U	11 U	**21000**	**24000**	410 U	410 U	380 U	360 U	400 U
ACENAPHTHENE	**110**	12 U	60 U	**110**	13 U	11 U	11 U	11 U	830 U	810 U	760 U	730 U	810 U
ACENAPHTHYLENE	11 U	**25**	**2300**	**390**	13 U	11 U	11 U	11 U	830 U	810 U	760 U	730 U	810 U
ANTHRACENE	**64**	**40**	**660 J**	**180**	13 U	11 U	**680**	**520**	410 U	410 U	380 U	360 U	400 U
BENZO(A)ANTHRACENE	**63**	12 U	60 U	11 U	13 U	11 U	**290**	11 U	410 U	410 U	380 U	360 U	400 U
BENZO(A)PYRENE	**79**	12 U	60 U	**62**	13 U	11 U	**31**	11 U	83 U	81 U	76 U	73 U	81 U
BENZO(B)FLUORANTHENE	**30**	12 U	60 U	**22**	13 U	11 U	**55**	11 U	83 U	81 U	76 U	73 U	81 U
BENZO(G,H,I)PERYLENE	**220**	12 U	60 U	**170**	13 U	11 U	11 U	11 U	83 U	81 U	76 U	73 U	81 U
BENZO(K)FLUORANTHENE	**120**	12 U	60 U	**99**	13 U	11 U	**21**	11 U	83 U	81 U	76 U	73 U	81 U
CHRYSENE	11 U	12 U	60 U	11 U	13 U	11 U	**130**	**60**	410 U	410 U	380 U	360 U	400 U
DIBENZO(A,H)ANTHRACENE	**330**	12 U	60 U	**290**	13 U	11 U	11 U	11 U	83 U	81 U	76 U	73 U	81 U
FLUORANTHENE	**41**	**140**	**2300 J**	**650**	13 U	11 U	**2600**	**960**	410 U	410 U	380 U	360 U	400 U
FLUORENE	11 U	**32**	**900 J**	**210**	13 U	11 U	11 U	**720**	410 U	410 U	380 U	360 U	400 U
INDENO(1,2,3-CD)PYRENE	**25**	**15**	60 U	11 U	13 U	11 U	11 U	11 U	83 U	81 U	76 U	73 U	81 U
NAPHTHALENE	**85**	**75**	**11000 J**	**1600**	13 U	11 U	**5900**	**6900**	410 U	410 U	380 U	360 U	400 U
PHENANTHRENE	**110**	**66**	**1300**	**330**	13 U	11 U	**770**	**350**	410 U	410 U	380 U	360 U	400 U
PYRENE	11 U	12 U	**2300**	**860**	13 U	11 U	**2300**	**2500**	410 U	410 U	380 U	360 U	400 U
Total Petroleum Hydrcarbons, mg/kg													
TRPH	**20**	**490**	**11000 J**	**2400**	3.2 U	**2.7**	**120**	**480**	**10.1**	**141**	9.8 U	**8.33 J**	9.9 U
Field Measurements, ppm													
FID[2]	NA	NA	NA	NA	NA	NA	NA	NA	0	24	16	16	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-101-06	SU-102-04	SU-102-06	SU-220-06	SU-103-04	SU-103-06	SU-104-04	SU-104-06	SU-105-04	SU-105-06	SU-106-04
Volatile Organic Compounds, ug/kg											
BENZENE	5.8 U	7 U	3500 U	750 U	6.1 U	6.4 U	6 U	6.5 U	5.7 U	6.5 U	5.5 U
ETHYLBENZENE	5.8 U	7 U	3500 U	**870**	6.1 U	6.4 U	6 U	6.5 U	5.7 U	6.5 U	5.5 U
METHYL TERT-BUTYL ETHER	5.8 U	7 U	3500 U	750 U	6.1 U	6.4 U	6 U	6.5 U	5.7 U	6.5 U	5.5 U
TOLUENE	5.8 U	7 U	3500 U	750 U	6.1 U	6.4 U	6 U	6.5 U	5.7 U	6.5 U	5.5 U
TOTAL XYLENES	17 U	21 U	**7160 J**	**4900**	18 U	19 U	18 U	19 U	17 U	19 U	17 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	440 U	340 U	**5380**	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
2-METHYLNAPHTHALENE	440 U	340 U	**5670**	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
ACENAPHTHENE	880 U	340 U	1500 U	80 U	920 U	800 U	800 U	800 U	710 U	800 U	790 U
ACENAPHTHYLENE	880 U	340 U	1500 U	80 U	920 U	800 U	800 U	800 U	710 U	800 U	790 U
ANTHRACENE	440 U	340 U	1500 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
BENZO(A)ANTHRACENE	440 U	68 U	310 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
BENZO(A)PYRENE	88 U	68 U	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
BENZO(B)FLUORANTHENE	88 U	68 U	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
BENZO(G,H,I)PERYLENE	88 U	**64.9 J**	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
BENZO(K)FLUORANTHENE	88 U	68 U	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
CHRYSENE	440 U	68 U	310 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
DIBENZO(A,H)ANTHRACENE	88 U	**42.2 J**	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
FLUORANTHENE	440 U	340 U	1500 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
FLUORENE	440 U	340 U	1500 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
INDENO(1,2,3-CD)PYRENE	88 U	**30.1 J**	310 U	80 U	92 U	80 U	80 U	80 U	71 U	80 U	79 U
NAPHTHALENE	440 U	340 U	**3230**	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
PHENANTHRENE	440 U	340 U	1500 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
PYRENE	440 U	340 U	1500 U	80 U	460 U	400 U	400 U	400 U	360 U	400 U	400 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**7.56 J**	**14.5**	**21500**	**9000**	11 U	10 U	10 U	9.7 U	8.7 U	10 U	**7.46 J**
Field Measurements, ppm											
FID[2]	0	0	720	1,313	0	0	0	0	0	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-106-06	SU-107-04		SU-107-06	SU-108-04	SU-108-06	SU-109-04	SU-109-06	SU-110-04	SU-110-08	SU-111-04
		Sample	Duplicate								
Volatile Organic Compounds, ug/kg											
BENZENE	3400 U	6.5 U	6.6 U	1400 U	5.9 U	340 U	5.8 U	5.9 U	310 U	3300 U	350 U
ETHYLBENZENE	3400 U	**26.2**	**7.1**	**3300**	**13.2**	**2820**	5.8 U	5.9 U	310 U	3300 U	**1270**
METHYL TERT-BUTYL ETHER	3400 U	6.5 U	6.6 U	1400 U	5.9 U	340 U	5.8 U	5.9 U	310 U	3300 U	350 U
TOLUENE	3400 U	**3.2 J**	6.6 U	1400 U	5.9 U	**246 J**	5.8 U	5.9 U	310 U	3300 U	350 U
TOTAL XYLENES	10000 U	**92.8**	**40.9**	**20600**	**67.6**	**14200**	17 U	18 U	940 U	**7220 J**	**5910**
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	**1420 J**	**43.8 J**	**68.4 J**	**31800**	**204 J**	**23600**	290 U	300 U	370 U	**1860 J**	**6410**
2-METHYLNAPHTHALENE	1900 U	300 U	**43.2 J**	**36000**	**211 J**	**30400**	290 U	300 U	370 U	2000 U	**9460**
ACENAPHTHENE	3800 U	300 U	280 U	**406 J**	280 U	**432 J**	290 U	300 U	730 U	4000 U	**654**
ACENAPHTHYLENE	3800 U	300 U	280 U	1400 U	280 U	1600 U	290 U	300 U	730 U	4000 U	300 U
ANTHRACENE	1900 U	300 U	280 U	1400 U	280 U	**204 J**	290 U	300 U	370 U	2000 U	**878**
BENZO(A)ANTHRACENE	1900 U	60 U	56 U	**98.3 J**	57 U	**111 J**	58 U	60 U	370 U	2000 U	**530**
BENZO(A)PYRENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	**332 J**	**216**
BENZO(B)FLUORANTHENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	**141 J**	**319**
BENZO(G,H,I)PERYLENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	**103 J**	**36.8 J**
BENZO(K)FLUORANTHENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	**156 J**	**143**
CHRYSENE	1900 U	60 U	56 U	**76.7 J**	57 U	**90.5 J**	58 U	60 U	370 U	2000 U	**415**
DIBENZO(A,H)ANTHRACENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	400 U	**17.8 J**
FLUORANTHENE	1900 U	300 U	280 U	**323 J**	280 U	**414 J**	290 U	300 U	370 U	2000 U	**1790**
FLUORENE	1900 U	300 U	280 U	**619 J**	280 U	**695 J**	290 U	300 U	370 U	2000 U	**739**
INDENO(1,2,3-CD)PYRENE	380 U	60 U	56 U	280 U	57 U	320 U	58 U	60 U	73 U	**173 J**	**58.3 J**
NAPHTHALENE	1900 U	**169 J**	**144 J**	**21200**	**195 J**	**17500**	290 U	300 U	370 U	2000 U	**4120**
PHENANTHRENE	1900 U	300 U	280 U	**596 J**	280 U	**845 J**	290 U	300 U	370 U	2000 U	**3120**
PYRENE	1900 U	300 U	280 U	**295 J**	280 U	**375 J**	290 U	300 U	370 U	2000 U	**1610**
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**15300**	**128**	**65.3**	**11100**	**47.6**	**10900**	**13.3**	9.4 U	**536**	**20300**	**2520**
Field Measurements, ppm											
FID[2]	511	68	68	879	72	1,198	0	0	142	896	349

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-111-06	SU-112-04	SU-217-06	SU-112-07	SU-113-04	SU-113-06	SU-114-04	SU-114-06	SU-216-06	SU-115-04	SU-115-07
Volatile Organic Compounds, ug/kg											
BENZENE	1900 U	7 U	680 U	2300 U	6.1 U	330 U	5.9 U	300 U	5.1 U	6.4 U	3800 U
ETHYLBENZENE	**13600**	4.8 J	**17000**	**27900**	**6.8**	**3150**	5.9 U	300 U	5.1 U	6.4 U	3800 U
METHYL TERT-BUTYL ETHER	1900 U	7 U	680 U	2300 U	6.1 U	330 U	5.9 U	300 U	5.1 U	6.4 U	3800 U
TOLUENE	**1240 J**	7 U	**2900**	**4720**	6.1 U	330 U	5.9 U	300 U	5.1 U	6.4 U	3800 U
TOTAL XYLENES	**57000**	31.1	**92000**	**121000**	**40.3**	**12400**	18 U	890 U	10.2 U	19 U	11000 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	**30000**	330 U	**26000**	**28900**	300 U	**18400**	290 U	**108 J**	**6700**	340 U	**10200**
2-METHYLNAPHTHALENE	**38700**	330 U	**34000**	**36800**	300 U	**23300**	290 U	**128 J**	**5600**	340 U	**4980**
ACENAPHTHENE	**829 J**	330 U	720 U	3300 U	300 U	**494 J**	290 U	290 U	36 U	670 U	7000 U
ACENAPHTHYLENE	1600 U	330 U	720 U	3300 U	300 U	1600 U	290 U	290 U	36 U	670 U	3500 U
ANTHRACENE	**892 J**	330 U	720 U	3300 U	300 U	**393 J**	290 U	290 U	**240**	340 U	1800 U
BENZO(A)ANTHRACENE	**673**	66 U	720 U	**264 J**	59 U	**245 J**	57 U	58 U	**280**	340 U	1800 U
BENZO(A)PYRENE	**443**	66 U	720 U	**229 J**	59 U	**144 J**	57 U	58 U	**100**	67 U	350 U
BENZO(B)FLUORANTHENE	**507**	66 U	720 U	650 U	59 U	**188 J**	57 U	58 U	**180**	67 U	350 U
BENZO(G,H,I)PERYLENE	**127 J**	66 U	720 U	650 U	59 U	320 U	57 U	58 U	36 U	67 U	350 U
BENZO(K)FLUORANTHENE	**211 J**	66 U	720 U	**226 J**	59 U	**81.7 J**	57 U	58 U	**50**	67 U	350 U
CHRYSENE	**587**	66 U	720 U	**282 J**	59 U	**249 J**	57 U	58 U	**200**	340 U	1800 U
DIBENZO(A,H)ANTHRACENE	310 U	66 U	720 U	650 U	59 U	320 U	57 U	58 U	36 U	67 U	350 U
FLUORANTHENE	**2130**	330 U	**940**	**841 J**	300 U	**924 J**	290 U	290 U	**1000**	340 U	1800 U
FLUORENE	**1120 J**	330 U	**720 J**	**677 J**	300 U	**648 J**	290 U	290 U	**320**	340 U	1800 U
INDENO(1,2,3-CD)PYRENE	**134 J**	66 U	720 U	650 U	59 U	320 U	57 U	58 U	36 U	67 U	350 U
NAPHTHALENE	**21000**	330 U	**20000**	**20200**	**39.2 J**	**11200**	290 U	290 U	36 U	340 U	**520 J**
PHENANTHRENE	**2880**	330 U	**1400**	**1360 J**	300 U	**1430 J**	290 U	290 U	**420**	340 U	1800 U
PYRENE	**1930**	330 U	**790**	**699 J**	300 U	**834 J**	290 U	**38.1 J**	**680**	340 U	1800 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**13300**	**19.6**	**7600**	**10600**	**16.7**	**7720**	**17.7**	**4830**	**4800**	**24.3**	**13500**
Field Measurements, ppm											
FID[2]	1,348	76	4,550	1,609	12	1,332	36	478	2,305	77	1,847

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-									
	SU-116-04	SU-116-06	SU-117-04	SU-117-06	SU-118-04		SU-118-08	SU-119-04	SU-119-06	
					Sample	Duplicate			Sample	Duplicate
Volatile Organic Compounds, ug/kg										
BENZENE	6 U	320 U	6.8 U	6.7 U	5.7 U	5.3 U	660 U	6.2 U	6.2 U	6.9 U
ETHYLBENZENE	**3.6 J**	**2950**	**17.9**	6.7 U	**2.6 J**	5.3 U	**20000**	6.2 U	6.2 U	6.9 U
METHYL TERT-BUTYL ETHER	6 U	320 U	6.8 U	6.7 U	5.7 U	5.3 U	660 U	6.2 U	6.2 U	6.9 U
TOLUENE	6 U	**249 J**	6.8 U	6.7 U	5.7 U	5.3 U	**3060**	6.2 U	6.2 U	6.9 U
TOTAL XYLENES	**19.7**	**12800**	**80.4**	20 U	**13.8 J**	**7.8 J**	**93400**	19 U	19 U	21 U
Semivolatile Organic Compounds, ug/kg										
1-METHYLNAPHTHALENE	**160 J**	**12200**	330 U	310 U	**51.6 J**	290 U	**50100**	280 U	300 U	350 U
2-METHYLNAPHTHALENE	**208 J**	**15700**	330 U	310 U	**45.6 J**	290 U	**62900**	280 U	300 U	350 U
ACENAPHTHENE	290 U	**224 J**	330 U	310 U	300 U	290 U	1600 U	280 U	300 U	350 U
ACENAPHTHYLENE	290 U	680 U	330 U	310 U	300 U	290 U	1600 U	280 U	300 U	350 U
ANTHRACENE	290 U	680 U	330 U	310 U	300 U	290 U	1600 U	280 U	300 U	350 U
BENZO(A)ANTHRACENE	57 U	**48.3 J**	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
BENZO(A)PYRENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
BENZO(B)FLUORANTHENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
BENZO(G,H,I)PERYLENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
BENZO(K)FLUORANTHENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
CHRYSENE	57 U	**37.2 J**	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
DIBENZO(A,H)ANTHRACENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
FLUORANTHENE	290 U	**168 J**	330 U	310 U	300 U	290 U	1600 U	280 U	300 U	350 U
FLUORENE	290 U	**319 J**	330 U	310 U	300 U	290 U	**843 J**	280 U	300 U	350 U
INDENO(1,2,3-CD)PYRENE	57 U	140 U	65 U	61 U	60 U	58 U	330 U	56 U	60 U	70 U
NAPHTHALENE	**107 J**	**8760**	330 U	**39 J**	300 U	290 U	**33600**	280 U	300 U	350 U
PHENANTHRENE	290 U	**333 J**	330 U	310 U	300 U	290 U	**350 J**	280 U	300 U	350 U
PYRENE	290 U	**149 J**	330 U	310 U	300 U	290 U	1600 U	280 U	300 U	350 U
Total Petroleum Hydrcarbons, mg/kg										
TRPH	**22.5**	**4220**	**45.7**	**9.41 J**	**27.2**	**8.59 J**	**19400**	8.6 U	9.6 U	11 U
Field Measurements, ppm										
FID[2]	162	2,918	0	313	0	0	2,935	0	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-120-04		SU-120-06	SU-121-04	SU-121-06	SU-122-04	SU-122-06	SU-123-04	SU-123-06	SU-124-04	SU-124-06
	Sample	Duplicate									
Volatile Organic Compounds, ug/kg											
BENZENE	5.9 U	6.1 U	7 U	7.6 U	6.3 U	6.1 U	6.5 U	6 U	6.1 U	5.7 U	7 U
ETHYLBENZENE	5.9 U	6.1 U	7 U	7.6 U	6.3 U	6.1 U	6.5 U	6 U	6.1 U	5.7 U	7 U
METHYL TERT-BUTYL ETHER	5.9 U	6.1 U	7 U	7.6 U	6.3 U	6.1 U	6.5 U	6 U	6.1 U	5.7 U	7 U
TOLUENE	5.9 U	6.1 U	7 U	7.6 U	6.3 U	6.1 U	6.5 U	6 U	6.1 U	5.7 U	7 U
TOTAL XYLENES	18 U	18 U	21 U	23 U	19 U	18 U	20 U	18 U	18 U	17 U	21 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
2-METHYLNAPHTHALENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
ACENAPHTHENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
ACENAPHTHYLENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
ANTHRACENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
BENZO(A)ANTHRACENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
BENZO(A)PYRENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
BENZO(B)FLUORANTHENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
BENZO(G,H,I)PERYLENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
BENZO(K)FLUORANTHENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
CHRYSENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
DIBENZO(A,H)ANTHRACENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
FLUORANTHENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
FLUORENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
INDENO(1,2,3-CD)PYRENE	60 U	58 U	63 U	73 U	65 U	59 U	66 U	58 U	64 U	58 U	63 U
NAPHTHALENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
PHENANTHRENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
PYRENE	300 U	290 U	310 U	370 U	320 U	290 U	330 U	290 U	320 U	290 U	320 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**8.42 J**	**16.2**	**8.37 J**	11 U	9.7 U	8.9 U	9.7 U	9.1 U	9.8 U	9.3 U	9.9 U
Field Measurements, ppm											
FID[2]	0	0	0	0	0	0	0	0	0	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-125-04	SU-125-06	SU-126-04	SU-126-06	SS-127-01	SU-127-04	SU-127-06	SU-209-06	SU-128-04	SU-128-06	
										Sample	Duplicate
Volatile Organic Compounds, ug/kg											
BENZENE	6.2 U	6.1 U	6.4 U	6.7 U	8.6 U	6.3 U	340 U	6.5 U	6.1 U	6.2 U	6.9 U
ETHYLBENZENE	6.2 U	6.1 U	6.4 U	6.7 U	8.6 U	6.3 U	340 U	6.5 U	6.1 U	6.2 U	6.9 U
METHYL TERT-BUTYL ETHER	6.2 U	6.1 U	6.4 U	6.7 U	8.6 U	6.3 U	340 U	6.5 U	6.1 U	6.2 U	6.9 U
TOLUENE	6.2 U	6.1 U	6.4 U	6.7 U	8.6 U	6.3 U	340 U	**2.4 J**	6.1 U	6.2 U	6.9 U
TOTAL XYLENES	19 U	18 U	19 U	20 U	26 U	19 U	1000 U	**128**	18 U	18 U	21 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	310 U	310 U	320 U	320 U	370 U	300 U	**43200**	**15000**	290 U	300 U	310 U
2-METHYLNAPHTHALENE	310 U	310 U	320 U	320 U	370 U	300 U	**57100**	**23000**	290 U	300 U	310 U
ACENAPHTHENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
ACENAPHTHYLENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
ANTHRACENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
BENZO(A)ANTHRACENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
BENZO(A)PYRENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
BENZO(B)FLUORANTHENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
BENZO(G,H,I)PERYLENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
BENZO(K)FLUORANTHENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
CHRYSENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
DIBENZO(A,H)ANTHRACENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
FLUORANTHENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
FLUORENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
INDENO(1,2,3-CD)PYRENE	62 U	63 U	64 U	64 U	75 U	61 U	580 U	39 U	57 U	60 U	63 U
NAPHTHALENE	310 U	310 U	320 U	320 U	370 U	300 U	**30200**	**7400**	290 U	300 U	310 U
PHENANTHRENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
PYRENE	310 U	310 U	320 U	320 U	370 U	300 U	2900 U	39 U	290 U	300 U	310 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	9.5 U	**1040**	9.9 U	**20.7**	**14.7**	**69.8**	**11700**	**6100**	**13.6**	9.5 U	**7.04 J**
Field Measurements, ppm											
FID[2]	0	630	0	0	0	0	356	442	0	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-									
	SU-129-04	SU-129-06	SU-130-04	SU-130-06	SU-131-04	SU-131-06		SU-132-04	SU-132-08	SS-231-02
						Sample	Duplicate			
Volatile Organic Compounds, ug/kg										
BENZENE	6.1 U	6.5 U	6.3 U	7.2 U	6.4 U	6.5 U	6.8 U	6.9 U	7 U	NA
ETHYLBENZENE	6.1 U	6.5 U	6.3 U	7.2 U	6.4 U	6.5 U	6.8 U	6.9 U	7 U	NA
METHYL TERT-BUTYL ETHER	6.1 U	6.5 U	6.3 U	7.2 U	6.4 U	6.5 U	6.8 U	6.9 U	7 U	NA
TOLUENE	6.1 U	6.5 U	6.3 U	7.2 U	6.4 U	6.5 U	6.8 U	6.9 U	7 U	NA
TOTAL XYLENES	18 U	19 U	19 U	21 U	19 U	20 U	20 U	21 U	21 U	NA
Semivolatile Organic Compounds, ug/kg										
1-METHYLNAPHTHALENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
2-METHYLNAPHTHALENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
ACENAPHTHENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
ACENAPHTHYLENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
ANTHRACENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
BENZO(A)ANTHRACENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
BENZO(A)PYRENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
BENZO(B)FLUORANTHENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
BENZO(G,H,I)PERYLENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
BENZO(K)FLUORANTHENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
CHRYSENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
DIBENZO(A,H)ANTHRACENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
FLUORANTHENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
FLUORENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
INDENO(1,2,3-CD)PYRENE	56 U	68 U	57 U	64 U	57 U	59 U	62 U	66 U	65 U	NA
NAPHTHALENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
PHENANTHRENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
PYRENE	280 U	340 U	280 U	320 U	280 U	300 U	310 U	330 U	330 U	NA
Total Petroleum Hydrcarbons, mg/kg										
TRPH	8.7 U	**9.17 J**	**11.3**	**79.6**	**11.6**	**49.2**	**23.2**	**21.1**	10 U	6.6 U
Field Measurements, ppm										
FID[2]	0	0	0	0	0	0	0	0	24	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-									
	SU-133-04	SU-133-08	SU-205-08	SU-232-03		SU-134-04		SU-134-08	SU-135-04	SU-135-08
				Sample	Duplicate	Sample	Duplicate			
Volatile Organic Compounds, ug/kg										
BENZENE	5.6 U	300 U	5.8 U	NA	NA	6.2 U	5.9 U	330 U	7.9 U	6.3 U
ETHYLBENZENE	5.6 U	**1110**	**9.4**	NA	NA	6.2 U	5.9 U	**1890**	7.9 U	6.3 U
METHYL TERT-BUTYL ETHER	5.6 U	300 U	5.8 U	NA	NA	6.2 U	5.9 U	330 U	7.9 U	6.3 U
TOLUENE	5.6 U	300 U	5.8 U	NA	NA	6.2 U	5.9 U	**402**	7.9 U	6.3 U
TOTAL XYLENES	17 U	**6060**	**55**	NA	NA	19 U	18 U	**9810**	24 U	19 U
Semivolatile Organic Compounds, ug/kg										
1-METHYLNAPHTHALENE	300 U	**16300**	**350**	NA	NA	300 U	300 U	**886**	350 U	300 U
2-METHYLNAPHTHALENE	300 U	**23600**	**510**	NA	NA	300 U	300 U	**1300**	350 U	300 U
ACENAPHTHENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
ACENAPHTHYLENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
ANTHRACENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
BENZO(A)ANTHRACENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
BENZO(A)PYRENE	60 U	310 U	4 U	NA	NA	**15 J**	60 U	63 U	70 U	59 U
BENZO(B)FLUORANTHENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
BENZO(G,H,I)PERYLENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
BENZO(K)FLUORANTHENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
CHRYSENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
DIBENZO(A,H)ANTHRACENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
FLUORANTHENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
FLUORENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
INDENO(1,2,3-CD)PYRENE	60 U	310 U	4 U	NA	NA	61 U	60 U	63 U	70 U	59 U
NAPHTHALENE	300 U	**13700**	**250**	NA	NA	300 U	300 U	**690**	350 U	300 U
PHENANTHRENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
PYRENE	300 U	1500 U	4 U	NA	NA	300 U	300 U	310 U	350 U	300 U
Total Petroleum Hydrcarbons, mg/kg										
TRPH	**1660**	**4010**	**22**	**2400**	**1300**	**1710**	**709**	**295**	**7.83 J**	9.3 U
Field Measurements, ppm										
FID[2]	82	739	1,004	0	0	339	339	176	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-136-04	SU-136-06	SS-137-01		SU-137-04	SU-137-08	SS-138-01	SU-138-04	SU-138-08	SS-139-01	SU-139-04
			Sample	Duplicate							
Volatile Organic Compounds, ug/kg											
BENZENE	6.7 U	6.8 U	6.2 U	6.4 U	6.5 U	6.2 U	6.1 U	6.1 U	6.4 U	6.2 U	6.2 U
ETHYLBENZENE	6.7 U	6.8 U	6.2 U	6.4 U	6.5 U	**2.6 J**	6.1 U	6.1 U	6.4 U	6.2 U	6.2 U
METHYL TERT-BUTYL ETHER	6.7 U	6.8 U	6.2 U	6.4 U	6.5 U	6.2 U	6.1 U	6.1 U	6.4 U	6.2 U	6.2 U
TOLUENE	6.7 U	6.8 U	6.2 U	6.4 U	6.5 U	6.2 U	6.1 U	6.1 U	6.4 U	6.2 U	6.2 U
TOTAL XYLENES	20 U	20 U	19 U	19 U	19 U	**12.1 J**	18 U	18 U	19 U	19 U	19 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
2-METHYLNAPHTHALENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
ACENAPHTHENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
ACENAPHTHYLENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
ANTHRACENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
BENZO(A)ANTHRACENE	67 U	66 U	57 U	**34.1 J**	66 U	63 U	58 U	65 U	64 U	**14.9 J**	65 U
BENZO(A)PYRENE	67 U	66 U	57 U	**53.1 J**	66 U	63 U	58 U	65 U	64 U	**35.1 J**	65 U
BENZO(B)FLUORANTHENE	67 U	66 U	57 U	**36.5 J**	66 U	63 U	58 U	65 U	64 U	**25.4 J**	65 U
BENZO(G,H,I)PERYLENE	67 U	66 U	57 U	**38.6 J**	66 U	63 U	58 U	65 U	64 U	**25.2 J**	65 U
BENZO(K)FLUORANTHENE	67 U	66 U	57 U	**41 J**	66 U	63 U	58 U	65 U	64 U	**22.7 J**	65 U
CHRYSENE	67 U	66 U	57 U	**38.5 J**	66 U	63 U	58 U	65 U	64 U	**17 J**	65 U
DIBENZO(A,H)ANTHRACENE	67 U	66 U	57 U	56 U	66 U	63 U	58 U	65 U	64 U	57 U	65 U
FLUORANTHENE	330 U	330 U	290 U	**44.6 J**	330 U	320 U	290 U	320 U	320 U	290 U	320 U
FLUORENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
INDENO(1,2,3-CD)PYRENE	67 U	66 U	57 U	**43.5 J**	66 U	63 U	58 U	65 U	64 U	**31.9 J**	65 U
NAPHTHALENE	330 U	330 U	290 U	280 U	330 U	**98.3 J**	290 U	320 U	320 U	290 U	320 U
PHENANTHRENE	330 U	330 U	290 U	280 U	330 U	320 U	290 U	320 U	320 U	290 U	320 U
PYRENE	330 U	330 U	290 U	**41.7 J**	330 U	320 U	290 U	320 U	320 U	290 U	320 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**27.8**	**15.3**	**10.2**	**16.8**	**46.6**	**64.8**	**12.1**	**20.4**	10 U	**22.9**	**41.3**
Field Measurements, ppm											
FID[2]	0	0	0	0	27	76	0	0	0	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-139-08	SS-140-01	SU-233-03	SU-140-04	SU-229-04	SU-140-06	SS-141-01	SU-141-04	SU-141-06	SU-142-04	SU-142-06
Volatile Organic Compounds, ug/kg											
BENZENE	7.3 U	6.5 U	NA	350 U	9.5 U	330 U	6.5 U	6.6 U	6.4 U	6.4 U	6.8 U
ETHYLBENZENE	7.3 U	6.5 U	NA	350 U	9.5 U	330 U	6.5 U	6.6 U	6.4 U	6.4 U	6.8 U
METHYL TERT-BUTYL ETHER	7.3 U	6.5 U	NA	350 U	9.5 U	330 U	6.5 U	6.6 U	6.4 U	6.4 U	6.8 U
TOLUENE	7.3 U	6.5 U	NA	350 U	9.5 U	330 U	6.5 U	6.6 U	6.4 U	6.4 U	6.8 U
TOTAL XYLENES	22 U	19 U	NA	1100 U	19 U	**595 J**	19 U	20 U	19 U	19 U	**11.1 J**
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	350 U	280 U	NA	**119 J**	**120**	**269 J**	8 U	330 U	310 U	**82.9 J**	310 U
2-METHYLNAPHTHALENE	350 U	280 U	NA	**198 J**	**160**	**362**	8 U	330 U	310 U	**100 J**	310 U
ACENAPHTHENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
ACENAPHTHYLENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
ANTHRACENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
BENZO(A)ANTHRACENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
BENZO(A)PYRENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
BENZO(B)FLUORANTHENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
BENZO(G,H,I)PERYLENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
BENZO(K)FLUORANTHENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
CHRYSENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
DIBENZO(A,H)ANTHRACENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
FLUORANTHENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
FLUORENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
INDENO(1,2,3-CD)PYRENE	70 U	57 U	NA	71 U	4.6 U	61 U	1.6 U	65 U	63 U	64 U	61 U
NAPHTHALENE	350 U	280 U	NA	**94 J**	**35**	**125 J**	8 U	330 U	310 U	**175 J**	310 U
PHENANTHRENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
PYRENE	350 U	280 U	NA	360 U	4.6 U	310 U	8 U	330 U	310 U	320 U	310 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**34.3**	**9.77**	**2400**	**1820**	7.9 U	**34.5**	**33.2**	**17.3**	9.5 U	**47.9**	**10.6**
Field Measurements, ppm											
FID[2]	614	0	0	163	48	565	0	0	0	0	17

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-143-04	SU-143-06	SU-144-04	SU-144-06	SS-223-01	SU-145-04	SU-145-06	SS-146-01	SU-146-04	SU-146-06	SU-201-04
Volatile Organic Compounds, ug/kg											
BENZENE	5.9 U	6.8 U	6.6 U	6.6 U	NA	6.4 U	6.7 U	7 U	6.5 U	6.1 U	NA
ETHYLBENZENE	5.9 U	6.8 U	6.6 U	6.6 U	NA	6.4 U	6.7 U	7 U	6.5 U	6.1 U	NA
METHYL TERT-BUTYL ETHER	5.9 U	6.8 U	6.6 U	6.6 U	NA	6.4 U	6.7 U	7 U	6.5 U	6.1 U	NA
TOLUENE	5.9 U	6.8 U	6.6 U	6.6 U	NA	6.4 U	6.7 U	7 U	6.5 U	6.1 U	NA
TOTAL XYLENES	18 U	20 U	20 U	20 U	NA	19 U	20 U	21 U	20 U	18 U	NA
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
2-METHYLNAPHTHALENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
ACENAPHTHENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
ACENAPHTHYLENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
ANTHRACENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
BENZO(A)ANTHRACENE	63 U	63 U	63 U	59 U	3.4 U	**49.7 J**	69 U	57 U	65 U	62 U	NA
BENZO(A)PYRENE	63 U	63 U	63 U	59 U	3.4 U	**145**	69 U	57 U	65 U	62 U	NA
BENZO(B)FLUORANTHENE	63 U	63 U	63 U	59 U	3.4 U	**129**	69 U	57 U	65 U	62 U	NA
BENZO(G,H,I)PERYLENE	63 U	63 U	63 U	59 U	3.4 U	**193**	69 U	57 U	65 U	62 U	NA
BENZO(K)FLUORANTHENE	63 U	63 U	63 U	59 U	3.4 U	**81.8**	69 U	57 U	65 U	62 U	NA
CHRYSENE	63 U	63 U	63 U	59 U	3.4 U	**60.8**	69 U	57 U	65 U	62 U	NA
DIBENZO(A,H)ANTHRACENE	63 U	63 U	63 U	59 U	3.4 U	**28.4 J**	69 U	57 U	65 U	62 U	NA
FLUORANTHENE	310 U	310 U	310 U	300 U	3.4 U	**55 J**	350 U	290 U	320 U	310 U	NA
FLUORENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
INDENO(1,2,3-CD)PYRENE	63 U	63 U	63 U	59 U	3.4 U	**177**	69 U	57 U	65 U	62 U	NA
NAPHTHALENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
PHENANTHRENE	310 U	310 U	310 U	300 U	3.4 U	280 U	350 U	290 U	320 U	310 U	NA
PYRENE	310 U	310 U	310 U	300 U	3.4 U	**57.2 J**	350 U	290 U	320 U	310 U	NA
Total Petroleum Hydrcarbons, mg/kg											
TRPH	9.7 U	**7.03 J**	9.4 U	9.4 U	NA	**23.1**	**46.7**	8.8 U	**13.1**	9.8 U	**140**
Field Measurements, ppm											
FID[2]	24	37	0	0	0	0	0	0	0	24	60

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-201-07	SU-202-04	SU-202-08	SU-203-04	SU-203-08	SU-204-04	SU-204-08	SU-206-06		SU-207-06	SU-208-06
								Sample	Duplicate		
Volatile Organic Compounds, ug/kg											
BENZENE	5.9 U	NA	5.1 U	NA	6.3 U	NA	5.4 U	NA	NA	5.8 U	5.7 U
ETHYLBENZENE	5.9 U	NA	5.1 U	NA	**2 J**	NA	**1.2 J**	NA	NA	5.8 U	5.7 U
METHYL TERT-BUTYL ETHER	5.9 U	NA	5.1 U	NA	6.3 U	NA	5.4 U	NA	NA	5.8 U	5.7 U
TOLUENE	5.9 U	NA	5.1 U	NA	6.3 U	NA	5.4 U	NA	NA	5.8 U	5.7 U
TOTAL XYLENES	11.8 U	NA	10.2 U	NA	**10.1 J**	NA	**6 J**	NA	NA	11.6 U	11.4 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	NA	NA	NA	NA	**130**	NA	**9.4**	NA	NA	77 U	**50000**
2-METHYLNAPHTHALENE	NA	NA	NA	NA	**180**	NA	**14**	NA	NA	77 U	**68000**
ACENAPHTHENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
ACENAPHTHYLENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
ANTHRACENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
BENZO(A)ANTHRACENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
BENZO(A)PYRENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
CHRYSENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
FLUORANTHENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
FLUORENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	**1100**
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
NAPHTHALENE	NA	NA	NA	NA	**26**	NA	**5.1**	NA	NA	77 U	**32000**
PHENANTHRENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
PYRENE	NA	NA	NA	NA	3.9 U	NA	3.9 U	NA	NA	77 U	77 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	NA	**5.3 J**	NA	**72**	6.6 U	6.7 U	6.7 U	**7100**	**13000**	**1500**	**20000**
Field Measurements, ppm											
FID[2]	0	3	0	123	59	0	313	1,006	1,006	289	486

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-210-06	SU-211-06	SU-212-06		SU-213-06		SU-214-06	SU-215-06	SU-218-06	SU-219-06	SU-221-06
			Sample	Duplicate	Sample	Duplicate					
Volatile Organic Compounds, ug/kg											
BENZENE	6.4 U	6.3 U	770 U	750 U	6 U	5.7 U	**3.3 J**	**2.5 J**	710 U	5.9 U	6.1 U
ETHYLBENZENE	6.4 U	6.3 U	**250 J**	**280 J**	**9500**	**9400**	**11**	**10**	**5100**	5.9 U	6.1 U
METHYL TERT-BUTYL ETHER	6.4 U	6.3 U	770 U	750 U	6 U	5.7 U	5.7 U	5.2 U	710 U	5.9 U	6.1 U
TOLUENE	**3.8 J**	**4.8 J**	770 U	750 U	6 U	5.7 U	**8**	**5.1 J**	710 U	5.9 U	6.1 U
TOTAL XYLENES	12.8 U	12.6 U	**2970**	**3000**	**30300**	**41900**	**49**	**43**	**17500**	11.8 U	12.2 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	**37**	40 U	**11000**	**7000**	**31000**	**37000**	**11000**	**13000**	**5000**	**12**	3.9 U
2-METHYLNAPHTHALENE	**50**	40 U	**16000**	**7900**	**44000**	**52000**	**16000**	**19000**	**4800**	**15**	3.9 U
ACENAPHTHENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	40 U	380 U	3.8 U	3.9 U
ACENAPHTHYLENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	40 U	380 U	3.8 U	3.9 U
ANTHRACENE	3.9 U	40 U	82 U	80 U	**83**	**98**	**110**	**180**	380 U	3.8 U	3.9 U
BENZO(A)ANTHRACENE	3.9 U	40 U	82 U	80 U	**60**	**71**	**81**	**130**	380 U	3.8 U	3.9 U
BENZO(A)PYRENE	3.9 U	40 U	82 U	80 U	46 U	39 U	**53**	**68**	380 U	3.8 U	3.9 U
BENZO(B)FLUORANTHENE	3.9 U	40 U	82 U	80 U	46 U	**47**	41 U	**72**	380 U	3.8 U	3.9 U
BENZO(G,H,I)PERYLENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	40 U	380 U	3.8 U	3.9 U
BENZO(K)FLUORANTHENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	**60**	380 U	3.8 U	3.9 U
CHRYSENE	3.9 U	40 U	82 U	80 U	46 U	**55**	**65**	**97**	380 U	3.8 U	3.9 U
DIBENZO(A,H)ANTHRACENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	40 U	380 U	3.8 U	3.9 U
FLUORANTHENE	3.9 U	40 U	82 U	80 U	**150**	**200**	**250**	**410**	380 U	3.8 U	3.9 U
FLUORENE	3.9 U	40 U	82 U	80 U	**750**	**890**	**320**	**400**	380 U	3.8 U	3.9 U
INDENO(1,2,3-CD)PYRENE	3.9 U	40 U	82 U	80 U	46 U	39 U	41 U	40 U	380 U	3.8 U	3.9 U
NAPHTHALENE	**10**	40 U	**7300**	**3100**	**21000**	**28000**	**6000**	**6900**	380 U	3.8 U	3.9 U
PHENANTHRENE	3.9 U	40 U	82 U	80 U	**270**	**350**	**390**	**640**	380 U	3.8 U	3.9 U
PYRENE	3.9 U	40 U	82 U	80 U	**130**	**180**	**200**	**370**	380 U	3.8 U	3.9 U
Total Petroleum Hydrcarbons, mg/kg											
TRPH	**1.5 J**	**5000**	**8300**	**4300**	**14000**	**16000**	**6600**	**3400**	**3700**	6.5 U	6.57 U
Field Measurements, ppm											
FID[2]	0	64	943	943	3,180	3,180	1,306	1,073	1,762	0	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-222-06	SU-224-04	SU-225-04	SU-226-04	SU-227-04	SU-228-04	SU-228-06	SU-230-04		SU-230-06	SU-234-06
								Sample	Duplicate		
Volatile Organic Compounds, ug/kg											
BENZENE	6.3 U	NA	NA	NA	NA	NA	710 U	NA	NA	5.2 U	6.2 U
ETHYLBENZENE	6.3 U	NA	NA	NA	NA	NA	**360**	NA	NA	5.2 U	6.2 U
METHYL TERT-BUTYL ETHER	6.3 U	NA	NA	NA	NA	NA	710 U	NA	NA	5.2 U	6.2 U
TOLUENE	6.3 U	NA	NA	NA	NA	NA	710 U	NA	NA	5.2 U	6.2 U
TOTAL XYLENES	12.6 U	NA	NA	NA	NA	NA	**6050**	NA	NA	10.4 U	12.4 U
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	4 U	85 U	3.8 U	**9.9**	**6.9**	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	4 U	85 U	3.8 U	**14**	**9.5**	NA	NA	NA	NA	NA	NA
ACENAPHTHENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
ANTHRACENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
CHRYSENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
FLUORANTHENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
FLUORENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
NAPHTHALENE	4 U	85 U	3.8 U	**5.7**	**6.5**	NA	NA	NA	NA	NA	NA
PHENANTHRENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
PYRENE	4 U	85 U	3.8 U	3.8 U	3.8 U	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrcarbons, mg/kg											
TRPH	6.7 U	NA	NA	NA	NA	**1200**	NA	**480**	**29**	NA	NA
Field Measurements, ppm											
FID[2]	53	14	0	0	10	196	1,012	10	10	31	0

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-										
	SU-301-07	SU-302-07	SU-303-08	SU-304-07	SU-305-07	SU-306-07	SU-307-06	SU-308-06	SU-309-06	SU-310-06	SU-311-06
Volatile Organic Compounds, ug/kg											
BENZENE	NA	NA	200 U	230 U	NA	4.2 U	NA	NA	NA	NA	NA
ETHYLBENZENE	NA	NA	**1080**	**925**	NA	4.2 U	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOLUENE	NA	NA	200 U	230 U	NA	4.2 U	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	**5430**	**4140**	NA	13 U	NA	NA	NA	NA	NA
Semivolatile Organic Compounds, ug/kg											
1-METHYLNAPHTHALENE	400 U	NA	NA	**17500**	NA	390 U	**1940**	**24600**	**17100**	450 U	400 U
2-METHYLNAPHTHALENE	400 U	NA	NA	**22000**	NA	390 U	**1970**	**29900**	**21200**	450 U	400 U
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	80 U	78 U	75 U	NA	NA	79 U	NA	NA	NA	NA	NA
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	400 U	NA	NA	**6690**	NA	390 U	**986**	**13000**	**6550**	450 U	400 U
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrcarbons, mg/kg											
TRPH	NA	NA	NA	**4280**	**1860**	NA	**1600**	**7940**	**6620**	11 U	9.9 U
Field Measurements, ppm											
FID[2]	*42*	*21*	*197*	*107*	*178*	*0*	*67*	*244*	*170*	*0*	*0*

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-						
	SU-312-06	SU-313-06		SU-314-06	SU-315-06	SU-316-06	SU-318-06
		Sample	Duplicate				
Volatile Organic Compounds, ug/kg							
BENZENE	4.4 U	210 U	220 U	3.9 U	210 U	200 U	210 U
ETHYLBENZENE	4.4 U	210 U	220 U	3.9 U	210 U	**761**	210 U
METHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
TOLUENE	4.4 U	210 U	220 U	3.9 U	210 U	200 U	210 U
TOTAL XYLENES	13 U	620 U	670 U	12 U	620 U	**2040**	640 U
Semivolatile Organic Compounds, ug/kg							
1-METHYLNAPHTHALENE	420 U	400 U	390 U	400 U	**1040**	**30000**	NA
2-METHYLNAPHTHALENE	420 U	400 U	390 U	400 U	**946**	**36900**	NA
ACENAPHTHENE	NA	NA	NA	NA	NA	NA	NA
ACENAPHTHYLENE	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)ANTHRACENE	NA	NA	NA	NA	NA	NA	NA
BENZO(A)PYRENE	NA	NA	NA	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NA	NA	NA	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
CHRYSENE	NA	NA	NA	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NA	NA	NA	NA	NA	NA	83 U
FLUORANTHENE	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NA	NA	NA	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	420 U	400 U	390 U	400 U	**353 J**	**16400**	NA
PHENANTHRENE	NA	NA	NA	NA	NA	NA	NA
PYRENE	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrcarbons, mg/kg							
TRPH	NA	**10300**	**11500**	9.8 U	**4280**	**9870**	NA
Field Measurements, ppm							
FID[2]	*9*	*183*	*183*	*12*	*212*	*252*	*18*

TABLE 3-2

SOIL ANALYTICAL RESULTS SUMMARY
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

U = Not detected at or above detection limit (associated value).
J = Estimated concentration.

NA = Not analyzed.
NC = No criterion.

Bolded values exceed detection limit.
Shaded values exceed less stringent of residential and leachability criteria.

1 Florida Department of Environmental Protection Soil Cleanup Target Levels, FAC Chapter 62-777 (FDEP, 1999).
2 Field measurement with FID. The value shown has been corrected for the carbon filter result. Italics indicate that the measurement was with a PID (Phase IV only).

TABLE 3-3

VOCs SPLP LEACHATE RESULTS VS. ASSOCIATED SOIL RESULTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	213-06		217-06		FDEP Leachability SCTL (ug/kg)	FDEP GCTL (ug/L)
	Soil (ug/kg)	Leachate (ug/L)	Soil (ug/kg)	Leachate (ug/L)		
Ethylbenzene	9,500	26	17,000	100 U	600	30
Total Xylenes	30,300	101	94,000	75	200	20

U - Below detection limit of value shown.
Florida Department of Environmental Protection Soil Cleanup Target Levels and Groundwater Target Cleanup Levels, Florida Administrative Code (FAC) Chapter 62-777 (FDEP, 1999).

TABLE 3-4

PAHs SPLP LEACHATE RESULTS VS. ASSOCIATED SOIL RESULTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-SU-								FDEP Leachability SCTL (ug/kg)	FDEP GCTL (ug/L)
	209-06		213-06		214-06		217-06			
	Soil (ug/kg)	Leachate (ug/L)	Soil (ug/kg)	Leachate (ug/L)	Soil (ug/kg)	Leachate (ug/L)	Soil (ug/kg)	Leachate (ug/L)		
Naphthalene	8,800	12.7	10,000	140.6	6,900	80.6	14,000	174.7	1,700	20
1-Methylnaphthalene	15,000	13.8	22,000	110.3	11,000	74.4	31,000	176.9	2,200	20
2-Methylnaphthalene	23,000	16.6	35,000	126	16,000	86.2	32,000	148.7	6,100	20

Florida Department of Environmental Protection Soil Cleanup Target Levels and Groundwater Target Cleanup Levels, Florida Administrative Code (FAC) Chapter 62-777 (FDEP, 1999).

TABLE 3-5

TRPH SPLP LEACHATE RESULTS VS. ASSOCIATED SOIL RESULTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Parameter	CEF-293-SU-												FDEP Leachability (mg/kg)	FDEP GCTL (mg/L)
	207-06		209-06		213-06		214-06		216-06		217-06			
	Soil (mg/kg)	Leachate (mg/L)	Soil (mg/kg)	Leachate (mg/L)	Soil (mg/kg)	Leachate (mg/L)	Soil (mg/kg)	Leachate (mg/L)	Soil (mg/kg)	Leachate (mg/L)	Soil (mg/kg)	Leachate (mg/L)		
TRPH	1,500	0.8 U	6,100	0.8 U	14,000	0.8 U	6,600	0.8 U	4,800	0.8 U	7,600	0.8 U	340	5

U - Below detection limit of value shown.
Florida Department of Environmental Protection Soil Cleanup Target Levels and Groundwater Target Cleanup Levels, Florida Administrative Code (FAC) Chapter 62-777 (FDEP, 1999).

TABLE 3-6

SUMMARY OF TPHCWG RESULTS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Sample No.	CEF-293-SU-207-06	CEF-293-SU-216-06	CEF-293-SU-217-06	FDEP SCTL[1]		
				Residential Criteria[1]	Industrial Criteria[1]	Leachability Criteria[1]
TPH, mg/kg						
TRPH	**1,500**	**4,800**	**7,600**	340	2,500	340
Aromatics, mg/kg						
C8 – C10	0	51	14	340	2,500	340
C10 – C12	0	20	4	690	5,400	520
C12 – C16	0	66	14	1,200	11,000	1,000
C16 – C21	0	6	1	1,300	14,000	3,200
C21 – C35	0	14	1	2,200	40,000	25,000
Aliphatics, mg/kg						
C8 – C10	4	438	612	630	4,400	7,000
C10 – C12	56	**2,236**	**2,740**	1,300	9,400	51,000
C12 – C16	573	**3,116**	**4,586**	2,300	19,000	1,000,000
C16 – C35	23	153	76	32,000	250,000	1,000,000

NOTES:
Shaded values exceed one of the criteria.
1 Criteria from Table C4 of May 26, 1999 Florida Department of Environmental Protection Soil Cleanup Target Levels Manual for Florida Administrative Code 62-777.

TABLE 3-7

ESTIMATED MAXIMUM INDIVIDUAL TPH SUBCLASSIFICATION CONCENTRATIONS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Fraction	CEF-293-SU-207-06 Percentage[1,2]	CEF-293-SU-216-06 Percentage[1,2]	CEF-293-SU-217-06 Percentage[1,2]	Maximum Percentage[1,2]	Concentration if TRPH = 21,500[3]	Residential Criteria[4]	Industrial Criteria[4]	Leachability Criteria[4]
Aromatics, mg/kg								
C8 – C10	0.0	0.8	0.2	0.8	179	340	2,500	340
C10 – C12	0.0	0.3	0.1	0.3	70	690	5,400	520
C12 – C16	0.0	1.1	0.2	1.1	234	1,200	11,000	1,000
C16 – C21	0.0	0.1	0.0	0.1	22	1,300	14,000	3,200
C21 – C35	0.0	0.2	0.0	0.2	48	2,200	40,000	25,000
Aliphatics, mg/kg								
C8 – C10	0.6	7.2	7.6	7.6	1,633	630	4,400	7,000
C10 – C12	8.5	36.6	34.0	36.6	7,877	1,300	9,400	51,000
C12 – C16	87.1	51.1	56.9	87.1	18,723	2,300	19,000	1,000,000
C16 – C35	3.6	2.5	0.9	3.6	764	32,000	250,000	1,000,000

NOTES:
1 Where the subclassification range included an odd-numbered carbon chain length midway within the range, 50 percent of the concentration was used to calculate the total.
2 Percentage of total is based on the measured fractions of aromatics plus aliphatics, not the TRPH concentration.
3 In mg/kg, based on maximum percentage.
4 Florida Department of Environmental Protection Soil Cleanup Target Levels, FAC Chapter 62-777 (FDEP, 1999).

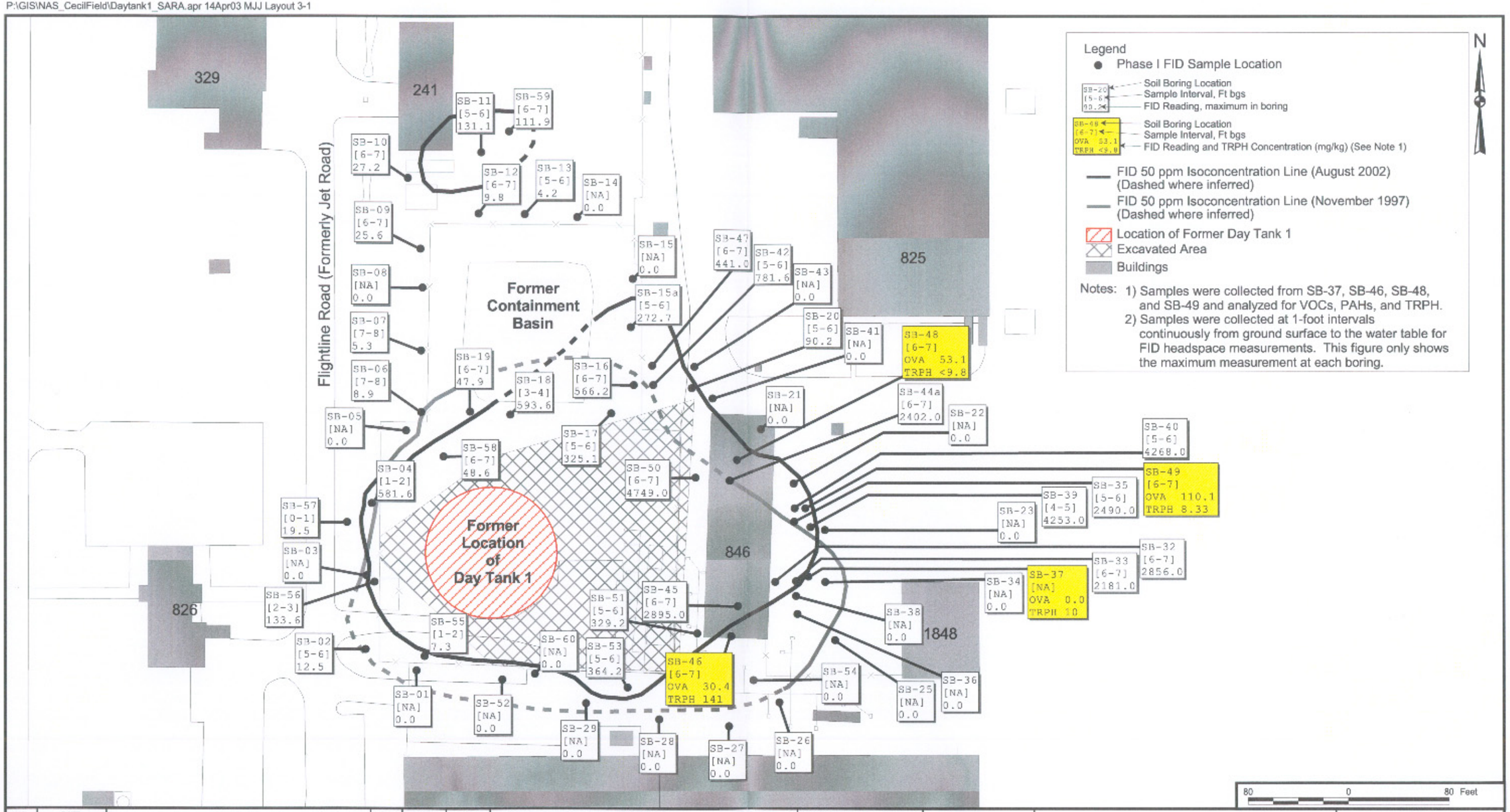
TABLE 3-8

FREE PRODUCT THICKNESS IN TEMPORARY WELLS
DAY TANK 1 SITE ASSESSMENT REPORT ADDENDUM
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Date	**10/04/2001**		**9/17/2002**		**10/24/2002**		**11/12/2002**	
Well No.	**Thickness (feet)**	**DTW (feet)**	**Thickness (feet)**	**DTW (feet)**	**Thickness (feet)**	**DTW (feet)**	**Thickness (feet)**	**DTW (feet)**
TW-3	**0.68**	7.90	**0.06**	7.20	**0.96**	9.19	NM	NM
TW-4	**0.1**	7.35	**0.02**	7.08	**0.03**	8.25	NM	NM
TW-11	**0.8**	7.21	NM	NM	0	8.15	NM	NM
TW-17	0	7.13	0	7.02	**0.05**	8.20	NM	NM
TW-18	0	7.15	0	6.94	**0.05**	8.20	NM	NM
TW-19	0	6.82	0	6.83	**0.3**	8.10	NM	NM
TW-20	0	7.20	**0.42**	7.41	**0.22**	8.41	NM	NM
TW-21	NW	NW	NW	NW	NW	NW	0	NM
TW-22	NW	NW	NW	NW	NW	NW	0	NM
TW-23	NW	NW	NW	NW	NW	NW	0	NM
TW-24	NW	NW	NW	NW	NW	NW	0	NM
TW-25	NW	NW	NW	NW	NW	NW	0	NM
VEW-1	NM	NM	**1.38**	6.83	**1**	7.95	NM	NM

Notes:
Thickness - Thickness of free product.
DTW - Depth to water below top of casing.
NM - Not measured.
NW - Well not present. Well was installed in November 2002.

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 3-1



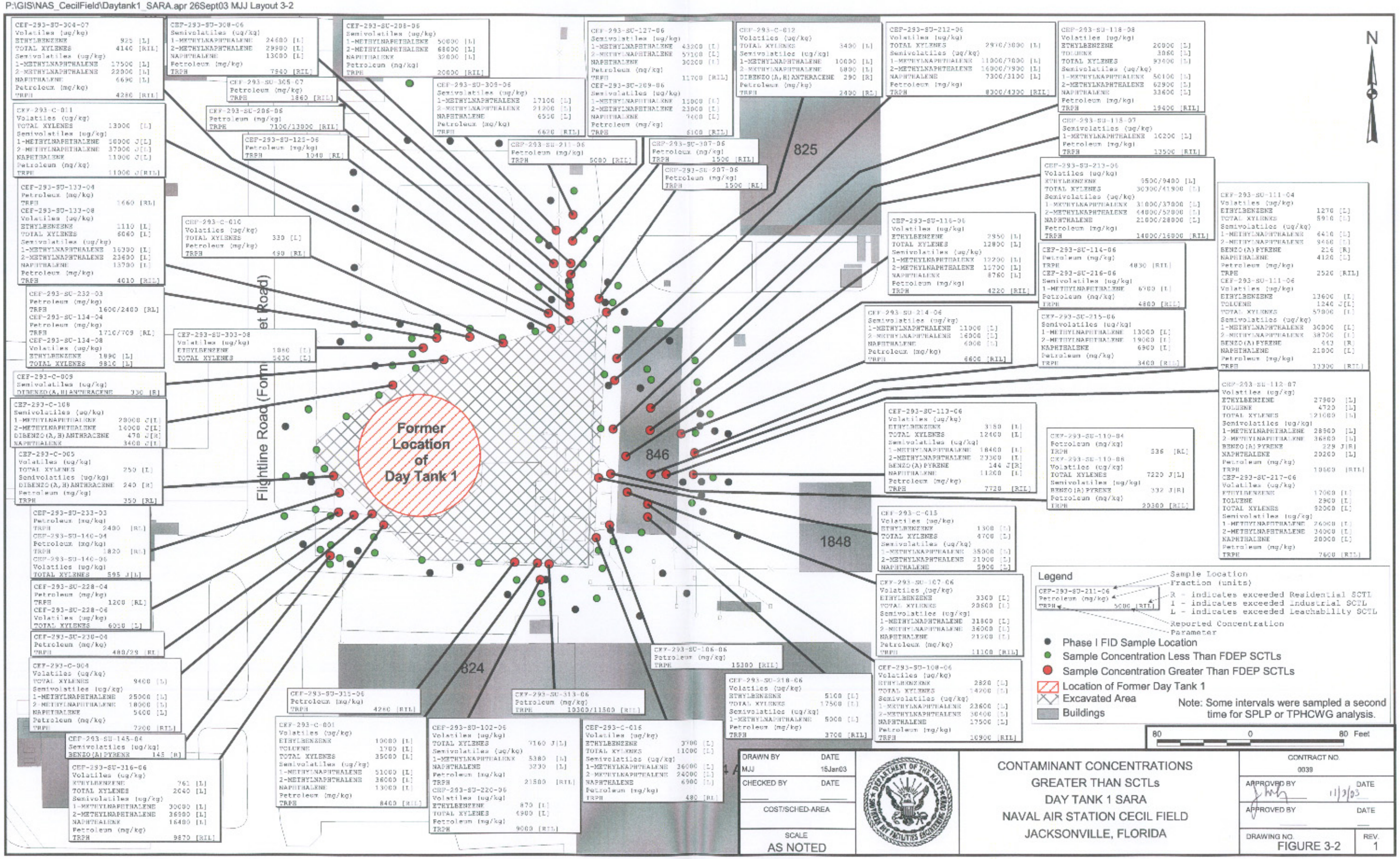
NO.	DATE	REVISIONS	BY	CHKD	APPD	REFERENCES

DRAWN BY MJJ DATE 15Jan03
CHECKED BY DATE
COST/SCHED-AREA
SCALE AS NOTED

PHASE I FID MEASUREMENTS AND LABORATORY RESULTS
DAY TANK 1 SARA
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0039
APPROVED BY DATE 11/3/03
APPROVED BY DATE
DRAWING NO. FIGURE 3-1 REV. 0

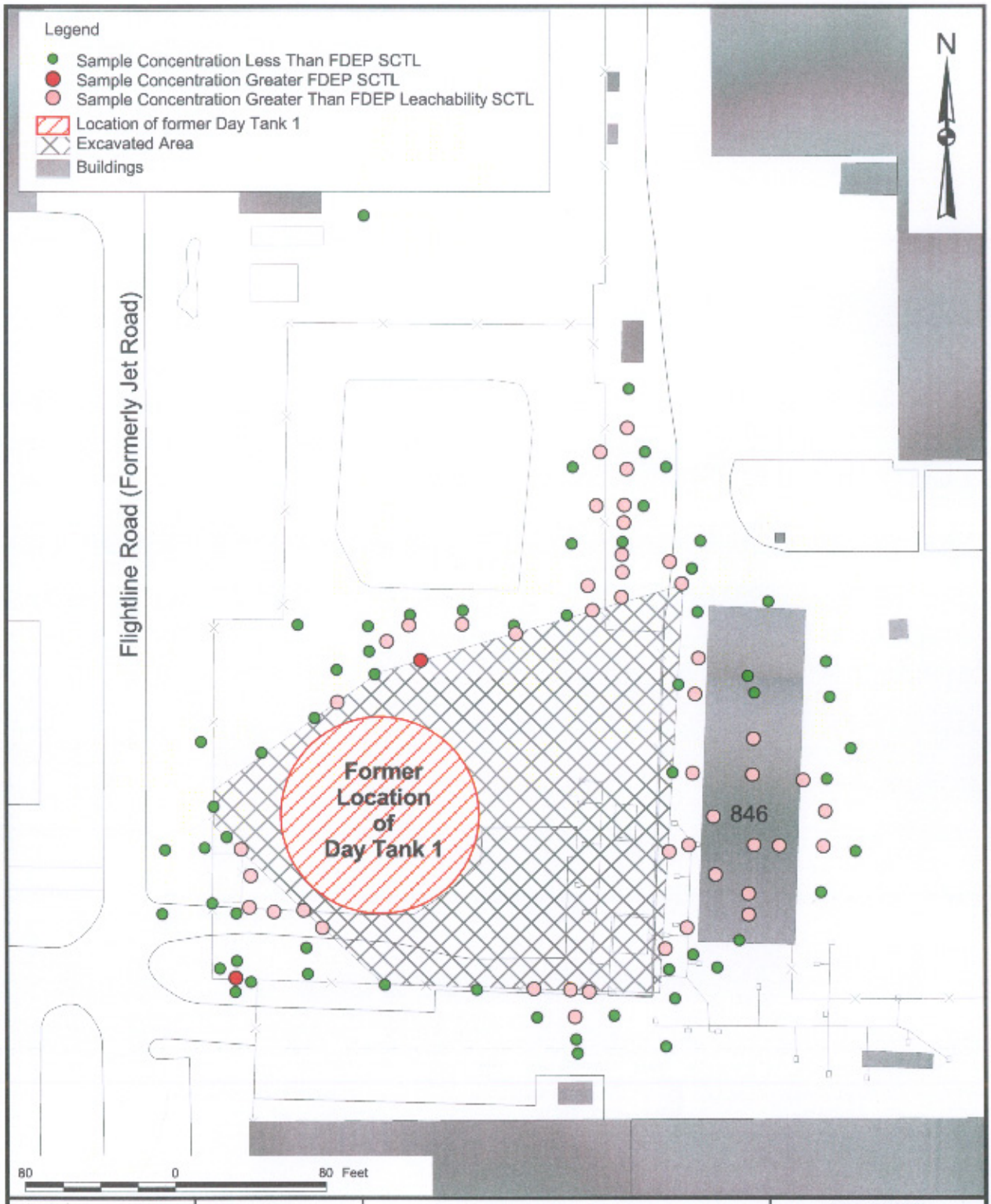
P:\GIS\NAS_CecilField\Daytank1_SARA.apr 26Sept03 MJJ Layout 3-2



DRAWN BY	DATE
MJJ	15Jan03
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE	AS NOTED

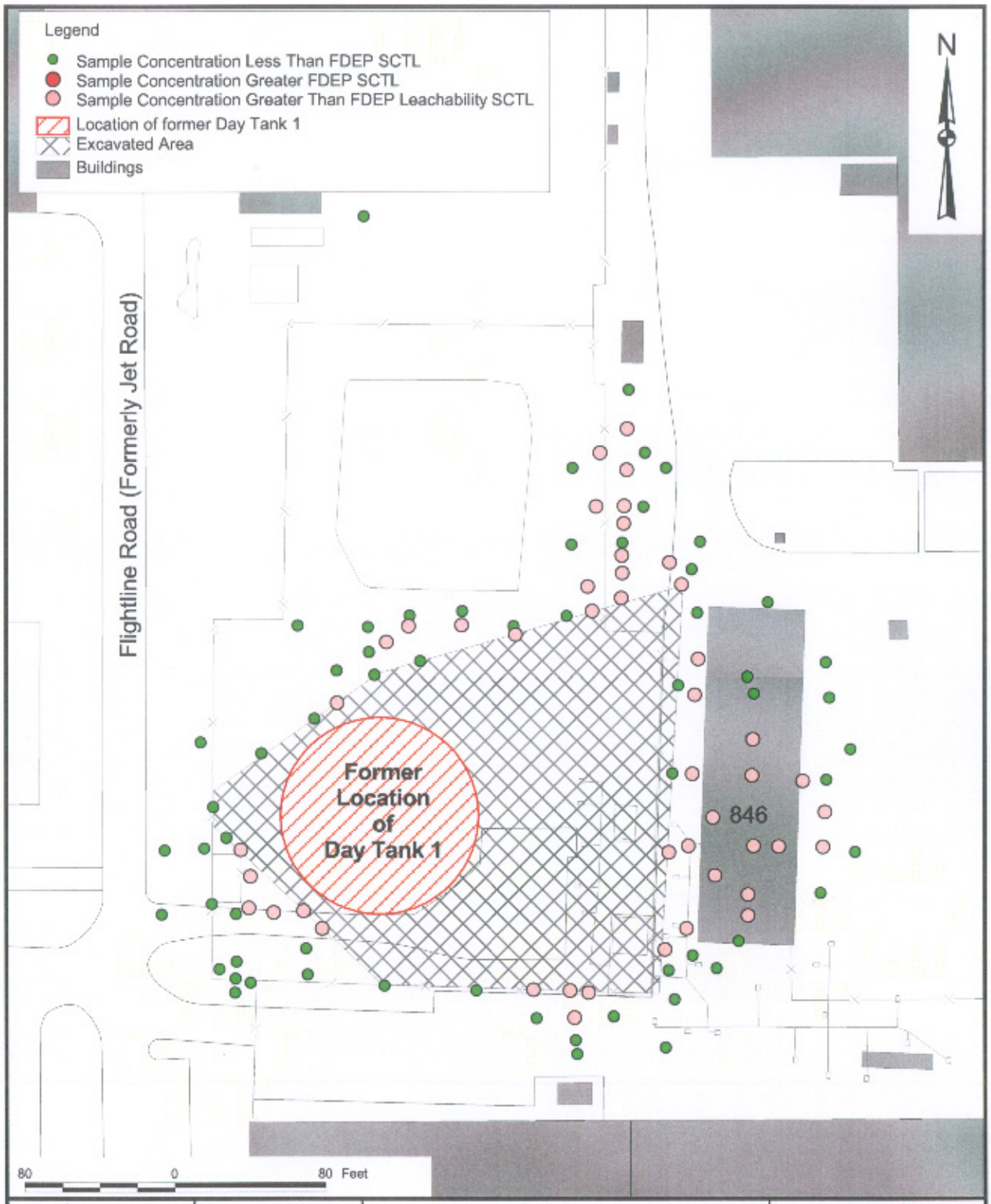
CONTAMINANT CONCENTRATIONS
GREATER THAN SCTLs
DAY TANK 1 SARA
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO.	
0039	
APPROVED BY	DATE 11/3/03
APPROVED BY	DATE
DRAWING NO. FIGURE 3-2	REV. 1



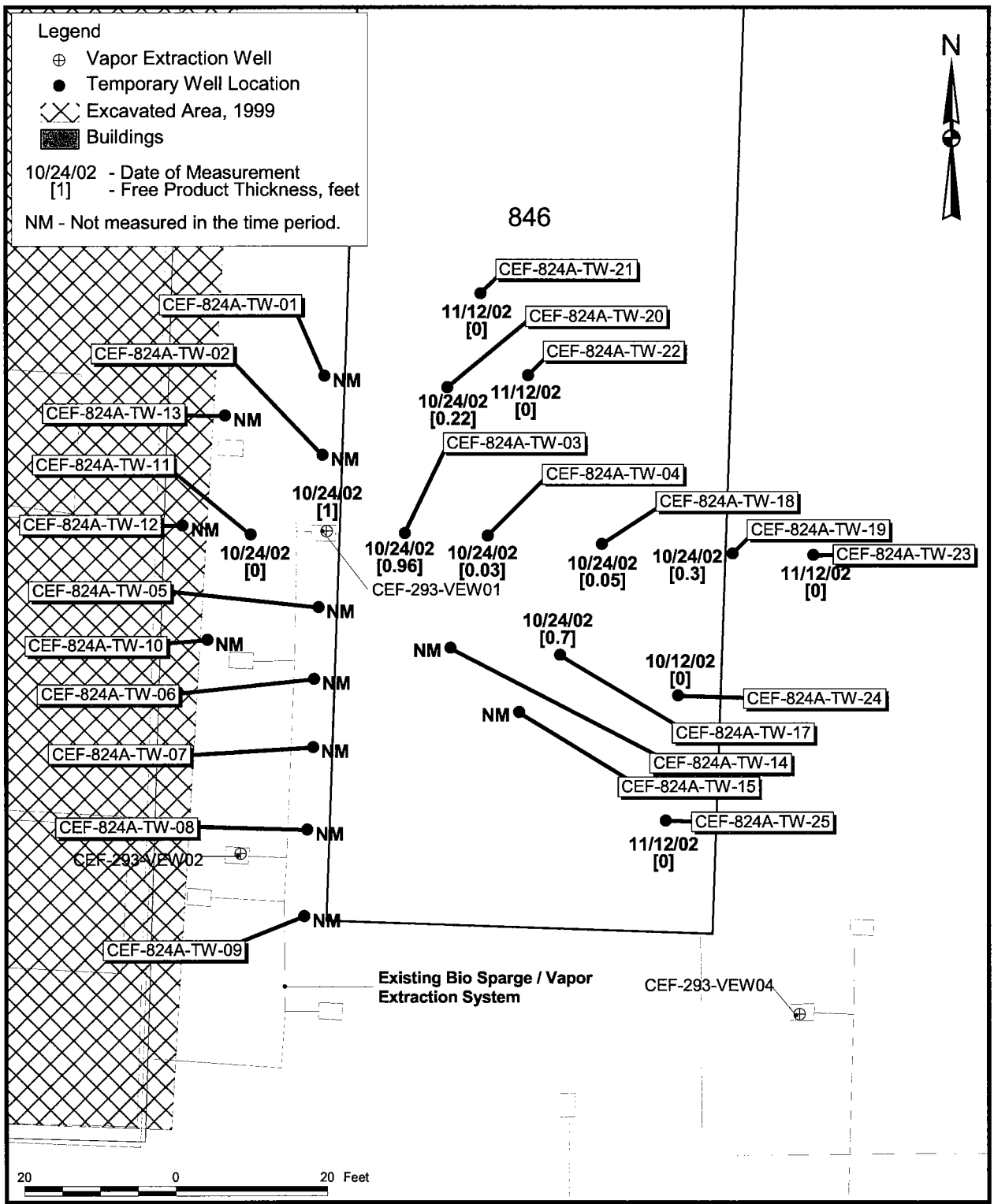
DRAWN BY MJJ	DATE 15Jan03	SAMPLE LOCATIONS EXCEEDING RESIDENTIAL SCTLs AND/OR LEACHABILITY SCTLs DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 11/3/03
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3-3 REV 1

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 25Sep03 MJJ Layout 3-3



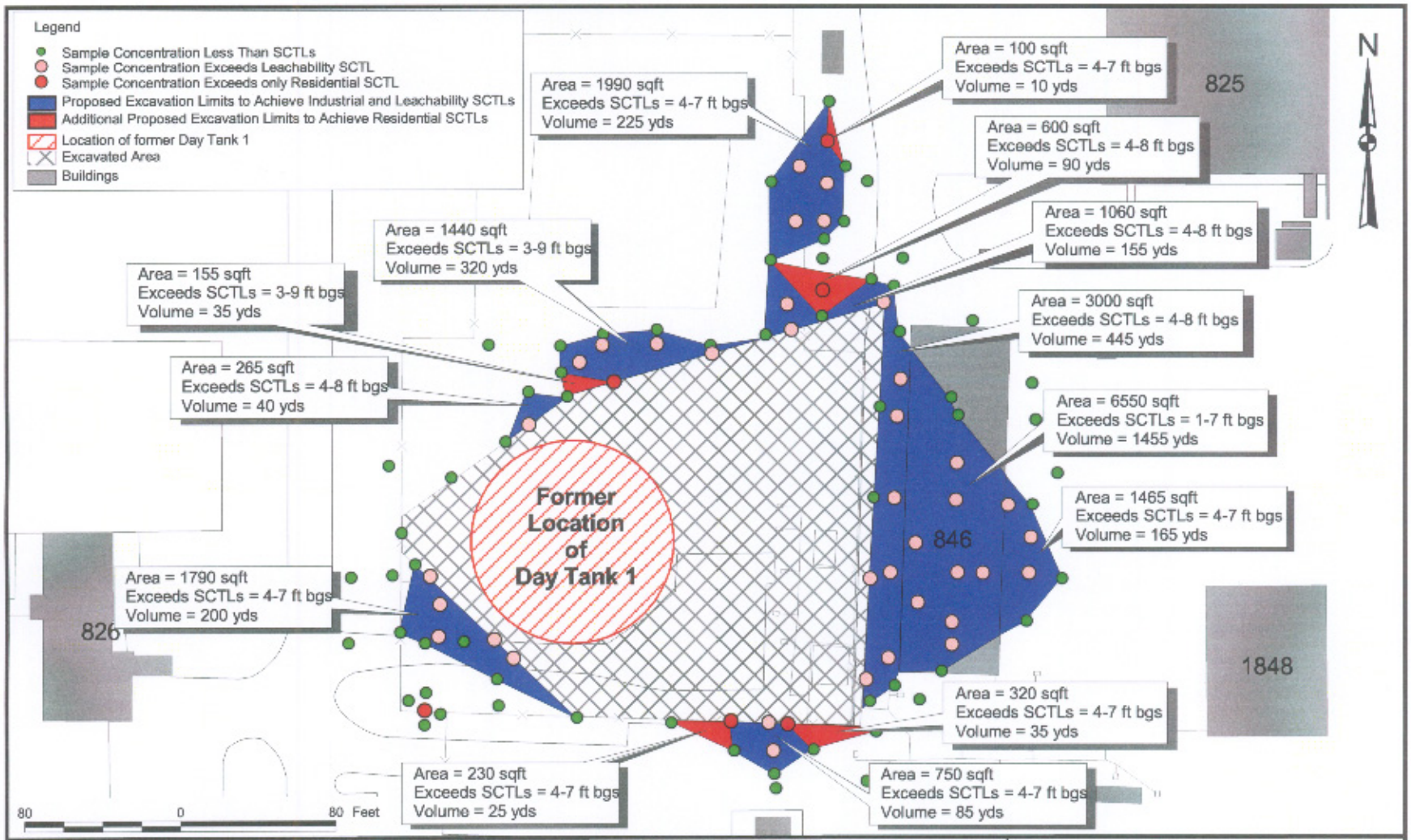
DRAWN BY MJJ	DATE 15Jan03	SAMPLE LOCATIONS EXCEEDING INDUSTRIAL SCTLs AND/OR LEACHABILITY SCTLs DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 11/3/03
COST/SCHEDULE AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3-4 REV 1

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 25Sep03 MJJ Layout 3-4



DRAWN BY	DATE			CONTRACT NUMBER
MJJ	15Jan03		EXTENT OF FREE PRODUCT	0039
CHECKED BY	DATE		DAY TANK 1 SARA	APPROVED BY / DATE 11/3/03
COST/SCHEDULE-AREA			NAVAL AIR STATION CECIL FIELD	APPROVED BY / DATE
SCALE AS NOTED			JACKSONVILLE, FLORIDA	DRAWING NO. FIGURE 3-5 / REV 0

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 14Apr03 MJJ Layout 3-5



DRAWN BY MJJ	DATE	SAMPLE LOCATIONS EXCEEDING RESIDENTIAL, SITE SPECIFIC LEACHABILITY, AND/OR TPHCWG SCTLs DAY TANK 1 SARA NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY — DATE 11/3/03
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 3-6 REV 1

P:\GIS\NAS_CecilField\Daytank1_SARA.apr 26Sept03 MJJ Layout 4-1

4.0 REMEDIATION

4.1 GENERAL REMEDIATION APPROACHES

Two general approaches for remediation were considered: (1) excavation and off-site disposal and (2) soil vapor extraction (SVE). Both technologies can be applied to the contaminated soil and the free product, although air sparging (AS) may also be required for free product remediation by SVE.

However, after further evaluation, SVE was eliminated for the following reasons:

- Many of the contaminants have low volatilities (for example, naphthalene and the methylnaphthalenes). SVE will take a long time to remove these compounds.
- The water table fluctuates and when the water table is high, the SVE would not effectively treat the zone of contaminated soil. This will lengthen the time and operating costs for treatment.
- The effectiveness of an SVE or AS/SVE on the free product at this site is uncertain.
- The cost of an SVE system would be greater than the cost of excavation and off-site disposal.

Therefore, excavation with off-site disposal is the preferred method for remediation.

4.2 DESCRIPTION OF PROPOSED REMEDIAL ALTERNATIVE

4.2.1 General Considerations

The extent of contamination was determined based on residential and industrial exposure, as shown on Figure 3-6. During Phases I through III, the depth to groundwater at the site was between 8 and 9 feet bgs but in August 2003, the water table had risen. The proposed depth of the excavation will be 1 foot below the water table, so the overall depth of excavation is assumed to be 7 to 9 feet bgs. Under residential exposure, the area requiring remediation is 19,700 square feet with a volume corresponding to 3,300 cubic yards; under industrial exposure, the area requiring remediation is 18,300 square feet with a volume corresponding to 3,100 cubic yards. Because the amount of excavation required to meet residential requirements is not significantly greater than the amount of excavation to meet industrial requirements, the site will be remediated to residential criteria.

Unlike many of the other buildings along the flightline, Building 846 was not built as a hangar or to house and repair aircraft. Building 846 was used for ground support equipment storage and is of simple

construction. The columns and roof supports are steel. Concrete block is used on the north, south, and west walls, and the east wall is essentially open. Therefore, the building can be readily demolished to get access to the contaminated soil and free product.

4.2.2 Description of Alternative

Prior to excavation of the contaminated soil, two preliminary steps must be performed. First, Building 846 must be demolished. The building can be removed using standards procedures, although care must be taken to minimize the generation of small debris that can be hazardous to aircraft. The demolition debris would be disposed of offsite as non-hazardous waste.

The second preliminary step is draining the former spill containment basin and removing the basin from service. Soil contamination extends very close to the basin, and if the pond were to be breached during the excavation, the water in the basin would spill into the excavation. The basin is lined and was designed to capture spills from Day Tank 1 through an underground pipeline that extended from the tank. The basin is surrounded with a berm to prevent other runoff from entering the basin and has a valved discharge to the storm sewer system. Under its original design, the drain valve was normally kept closed and after rainfall events, the water in the basin was inspected for evidence of fuel. If no fuel was present, then the valve was opened, the water was drained, and then the valve was re-closed. After Day Tank 1 was taken out of service, this inspection was no longer necessary; however, the drain valve was left in the closed position, allowing water to accumulate. Prior to draining the water, a sample of the water will be collected and analyzed for fuel-related VOCs, PAHs, and TRPH. If these results meet surface water criteria, the basin will be drained by opening the drain valve. After the basin is drained, the valve will be left open. If the analytical results show that contaminants are present at concentrations greater than surface water criteria, the water will be pumped out for treatment and/or off-site disposal. After the basin is drained, a backhoe can be used to breach the lining in numerous locations so that water will no longer collect in the depression.

Figure 4-1 shows the horizontal limits of excavation and the interval of contaminated soil. There are nine non-contiguous areas of excavation that have been designated A, B, C, D, E1, E2, E3, F, and G. In each area, the upper layer of uncontaminated soil, typically from a depth of 0 to 4 feet bgs, will be stockpiled for reuse as fill. Note that the upper layer of uncontaminated soil in Area B is from 0 to 3 feet bgs and in Area E2 is from 0 to 1 foot bgs. A total of about 2,100 cubic yards of uncontaminated soil will be excavated from the ten areas and stockpiled for reuse. The rest of the soil will be excavated to a depth of 1 foot below the water table and disposed off site. An estimated 3,300 cubic yards of contaminated soil will be excavated for off-site disposal. Note that because the contaminated soil is near the water table, the excavation should be performed during low water table conditions. In addition, the floor slab and foundation of Building 846 overlying the contaminated soil will be broken up and disposed off site. After

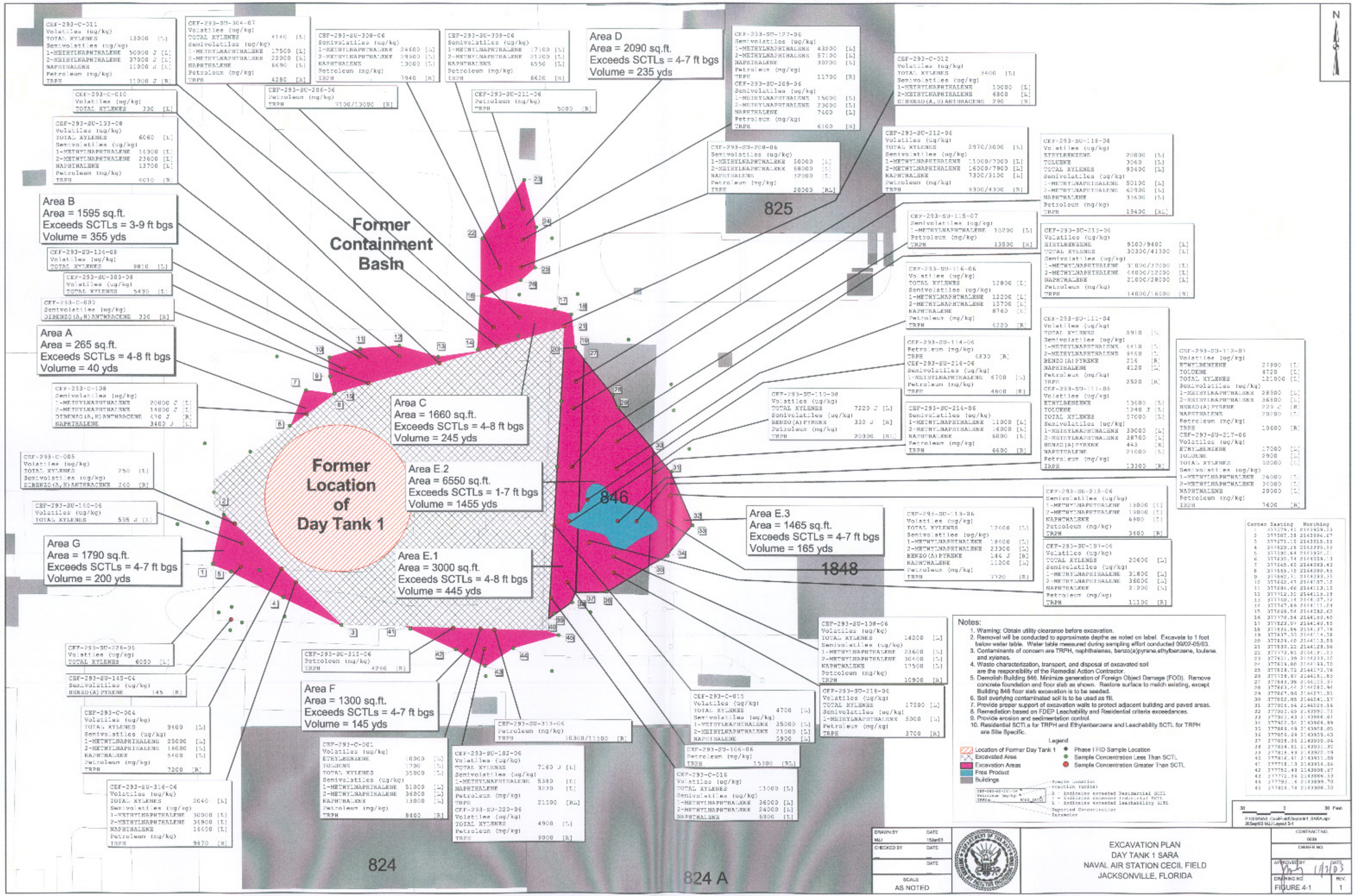
contaminated soil removal is complete, the excavation will be backfilled with the stockpiled uncontaminated soil and with clean fill from off site. The ground surface in the excavated areas will be restored to match the existing surface. The area where the floor slab was removed will be seeded.

Subsurface utilities and piping within the excavation will be supported or removed and replaced. The existing Day Tank 1 AS/SVE system piping and wells within the proposed excavation area will be removed and replaced. A sanitary sewer force main under Building 846 will be supported during excavation so that all contaminated soil can be removed.

Note that no excavation is proposed at CEF-SU-145-04 where the BaP concentration was 145 µg/kg (compared to a residential SCTL of 100 µg/kg), and BaP was not detected in adjacent samples. The FDEP agreed that risk associated with this single sample would be acceptable, and no excavation would be necessary.

4.2.3 Cost Estimate

The estimated cost for this alternative is $ 538,000. There are no long-term operating costs associated with this alternative. The cost estimate is included in Appendix D.



Corner Easting Northing

1	377374.42	2143459.23
2	377387.78	2143394.47
3	377471.25	2143315.55
4	377529.28	2143399.59
5	377590.64	2143459.21
6	377635.74	2143459.13
7	377645.45	2143483.42
8	377655.75	2143480.65
9	377652.71	2143493.35
10	377622.47	2143497.12
11	377634.66	2143513.12
12	377712.35	2143513.28
13	377730.14	2143497.92
14	377747.66	2143511.54
15	377668.54	2143582.63
16	377770.54	2143630.65
17	377823.01	2143482.85
18	377836.86	2143437.18
19	377837.33	2143414.58
20	377829.40	2143413.55
21	377830.32	2143428.96
22	377779.81	2143431.83
23	377631.39	2143333.10
24	377619.80	2143348.70
25	377618.72	2143372.76
26	377758.67	2143181.82
27	377843.98	2143133.81
28	377863.42	2143242.94
29	377867.86	2143271.53
30	377852.05	2143341.17
31	377925.34	2143328.14
32	377922.49	2143390.71
33	377923.83	2143464.61
34	377923.34	2143504.99
35	377884.49	2143458.05
36	377883.28	2143456.43
37	377828.36	2143939.04
38	377824.51	2143931.92
39	377818.59	2143920.59
40	377816.51	2143913.30
41	377738.13	2143914.54
42	377752.48	2143898.37
43	377772.34	2143886.33
44	377791.[illegible]	2143894.70
45	377824.74	2143908.50

Notes:

1. Warning: Obtain utility clearance before excavation.
2. Removal will be conducted to approximate depths as noted on label. Excavate to 1 foot below water table. Water table measured during sampling effort conducted 09/02-05/03.
3. Contaminants of concern are TRPH, naphthalenes, benzo(a)pyrene,ethylbenzene, toulene, and xylenes.
4. Waste characterization, transport, and disposal of excavated soil are the responsibility of the Remedial Action Contractor.
5. Demolish Building 846. Minimize generation of Foreign Object Damage (FOD). Remove concrete foundation and floor slab as shown. Restore surface to match existing, except Building 846 floor slab excavation is to be seeded.
6. Soil overlying contaminated soil is to be used as fill.
7. Provide proper support of excavation walls to protect adjacent building and paved areas.
8. Remediation based on FDEP Leachability and Residential criteria exceedances.
9. Provide erosion and sedimentation control.
10. Residential SCTLs for TRPH and Ethylenbenzene and Leachability SCTL for TRPH are Site Specific.

Legend

- Location of Former Day Tank 1
- Excavated Area
- Excavation Areas
- Free Product
- Buildings
- Phase I FID Sample Location
- Sample Concentration Less Than SCTL
- Sample Concentration Greater Than SCTL

CEF-293-SU-111-04 — Sample Location
Petroleum (mg/kg) — Fraction (units)
TRPH — Parameter
9400 [R] — Reported Concentration
R - indicates exceeded Residential SCTL
I - indicates exceeded Industrial SCTL
L - indicates exceeded Leachability SCTL

30 0 30 Feet

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26Sep03 MJJ Layout 5-1

DRAWN BY	DATE
MJJ	15Jan03
CHECKED BY	DATE
	DATE
SCALE	
AS NOTED	

EXCAVATION PLAN
DAY TANK 1 SARA
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0039
OWNER NO.
APPROVED BY — DATE 11/17/03
DRAWING NO. FIGURE 4-1
REV. 1

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APPENDIX A

BORING LOGS

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: 54 DT Geoprobe
BORING NUMBER: CEF-293-SU-101
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: ED Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1½"			Asphalt						
				1½"-8"			Limestone Base						
1				8"-2'		Pale BRN	Fi sa						0
2				2-3'		Lt BRN	Fi sa w/Clay						
3				3-4½		Red BRN	Fi sa		4' sampled	0	0	0	0
4				4½-8'		Pale BRN	Fi sa		6' sampled	0	0	0	0
							5.5' Damp						
							6.5' saturated						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-102
DATE: 10/8/02
GEOLOGIST: SMM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1.5"			Asphalt						
				1.5-8"			Limestone Base						
				8"-2'			Pale Brn Fi sa				0	0	0
				2-3'			Brn Fi sa						
				3-4'			Red/Brn Fi sa	7'	moist				0
				4-8			Pale Brn Fi sa	8'	Saturated		0	1.2	0
									UNF FIL COR				
								4'	0 0 0				
								6'	723.0 3.0 720				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SU-103
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: ED Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				1½"			Asphalt						
				8"			Limestone Base						
				9"-2'			DK Brn Fi sa						
				2-2.5			Pale Brn Fi sa						0
				2.5-3'			Pale Brn clay/sa						0
				3-4			Brn Fi sa		4' sampled	Ø	0	0	0
				4-6			Red/Brn Fi sa		6.6' moist				
				6-8			Brn Fi sa		6 sampled	Ø	0	0	0
									7' saturated				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SU-104
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: ED Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				2.5"			Asphalt						
				8"			Limestone Base						
				1-3.5'			DK Brn Fi sa						0
				3.5-4'			Pale Brn Fi sa		4' sampled	0	0	0	0
				4-8'			Brn Fi sa		6' sampled	0	0	0	0
							6.5' damp						
							7' saturated						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT

BORING NUMBER: CEF-293-SU-105
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: ED, Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				2"			Asphalt						
				7"			Limestone Base						
				9"-25'			DK Brn Fi sa						
				25-8'			Brn Fi sa		4' Sampled	0	0	0	0
									6' sampled	0	0	0	0
							7.5' moist						
							8' saturated						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT

BORING NUMBER: CEF-293-SU-106
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				2"			Asphalt						
				7"			Limestone Base						
				9"-2'			DK Brn Fi sa						
				2'-7'			Brn Fi sa		4' sampled	0	0	0	0
				7'-8'			Pale Brn Fi sa		6' sampled		0	0	0
							3' damp						
							6.5' moist	~~6' SR~~	UNF FIL COR				
							7' saturated		~~511.2~~ SR 0 511.2				
									UNF FIL COR				
								4'	0 0 0				
								6'	511.2 0 511.2				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SU-107
DATE: 10/9/02
GEOLOGIST: SKM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5"			Concrete						
				5"-3.5			DK Brn Fi sa		3-4' wood Frag		0	0	0
				3.5-5'			Brn/Pale Brn mix Fi sa						
				5'-8			Red/Brn Fi sa	7.5 - 8'	moist/saturated		0	0	0
													0
									UNF FIL COR				
								4'	68.6 0 68.6				
								6'	879.0 0 879.0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: CEF-293-DU04

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 540T

BORING NUMBER: CEF-293-SU-108
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5"			concrete						0
				5"-3'			DK Brn Fi sa				0	0	0
				3-6'			Pale Brn Fi sa	7'	moist				
				6-8			Red/Brn Fi sa	8'	Saturated		0	0	0
													0
									UNF FIL COR				
								4'	71.9 0 71.9				
								6'	1198 0 1198				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
BORING NUMBER: CEF-293-SU-109
PROJECT NUMBER: N0039DS005H105
DATE: 10/8/02
DRILLING COMPANY: Columbia Tech
GEOLOGIST: Sirm, MF
DRILLING RIG: Geoprobe 54 DT
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2"			Asphalt						
				2"-8"			Limestone Base						
				8"-4'			DK BRN Fi sa		6.5' Moist		0	0	0
				4-8			Brn Fi sa		7' saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG:

BORING NUMBER: CEF-293-SU-110
DATE: 10/7/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renord

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				1.5"			Asphalt						
				7"			Limestone Base						
				8.5"-2'			BlK Fi sa						
				2-4'			Brn Fi sa						
				4-6'			Pale Brn Fi sa		4' sampled		0	0	0
				6-8'			DK Brn Fi sa stained		8' sampled		0	9.1	0
							7' dry	~~4'~~	UNF FIL COR				
							8' moist	~~8'~~ 4'	141.8 0 141.8				
								8'	896.1 0 896.1				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SU-111
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5"			Concrete						
				5"-3'			DK Brn Fi sa				0	0	0
				3'-5.5			Pale Brn Fi sa w/organics	7'	Moist				
				5.5'-8'			Red/Brn Fi sa	8'	Saturated		0	0	0
													0
									UNF FIC COR				
								4'	348.9 0 3489				
								6'	1351 30 1348				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-112
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5"			Concrete						
				5"-4.5			DK Brn Fi sa				0	263	0 26.3
				4.5'-6.5			Pale Brn Fi sa	4'	moist				
				6.5-8'			Red/Brn Fi sa	8'	saturated				
													0
									UNF FIL COR				
								4'	76.3 0 76.3				
								7'~~5~~	1609 0 1609				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-113
DATE: 10/18/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2"			Asphalt						
				2"-8"			Limestone Base						
				8"-2.5'			DK BRN						
				2.5'-5.5			Lt Brn Fi sa				0	0	0
				5.5-7'			Brn stained Fi sa	7'	Moist				0
								8'	Saturated				
									UNF FIL COR				
								4'	12.3 0 12.3				
								6'	1332 0 1332				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-297-SU-114
DATE: 10/8/02
GEOLOGIST: SLM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4"			Concrete						0
				4"-3'			DK Brn Fi sa						
				3-6'			Pale Brn Fi sa				0	0	0
				6-8'			DK Brn Fi sa/ ~~Stained~~ organics	7'	moist		0	0	0
								8'	saturated				0
									UNF FIL COR				
								4'	35.8 0 35.8				
								6'	477.6 0 477.6				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
BORING NUMBER: CEF-293-SU-115
PROJECT NUMBER: N0039DS005H105
DATE: 10/7/02
DRILLING COMPANY: Columbia Tech
GEOLOGIST: SRM, MF
DRILLING RIG: Geoprobe 54DT
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler B2	Borehole**	Driller B2**
				1.5"			Asphalt						
				6"			Limeston Base						
				7.5"-2'			BlK Fi sa						
				2-7'			Pale Brn Fi sa		4' sampled		0	4.2	0
				7-8'			BlK Fi sa Stained		7' sampled		0	8.1	0
									UNF FIL COR				
							7' dry	4'	77.2 0 77.2				
							7.5' saturated	7'	1847 0 1847				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT

BORING NUMBER: CEF-293-SU-~~115~~ 116
DATE: 10/8/02
GEOLOGIST: SRM MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4"			Concrete						0
				4"-3'			DK Brn Fi sa						
				3-7.5'			Pale Brn Fi sa	7	Moist		0	0	0
				7.5-8'			DK Brn Fi sa stained	8'	saturated				
													0
									UNF FIL COR				
								4'	162.0 0 1620				
								6'	2918 0 2918				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-117
DATE: 10/8/02
GEOLOGIST: SKM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2"			Asphalt						
				2-8"			Limestone Base						
				8"-4'			DK Brn Fi sa	6'	moist		0	0	0
				4-8'			Brn Fi sa	6.5'	Saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	3126 0 3126				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SB-118
DATE: 10/8/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1"			Asphalt						
				1-7"			Limestone Base						
				7"-2'			Blk Fi sa				0	0	0
				2.5-4'			Pale Brn Fi sa						
				4-8'			Brn Fi sa	8'	moist				0
									UNF FIL COR				
								4'	0 0 0				
								8'	2935 0 2935				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT
BORING NUMBER: CEF-293-SU-119
DATE: 10/8/02
GEOLOGIST: SBM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4"			Concrete						0
				4"-3'			DK Brn Fi sa						
				3-5'			Pale Brn Fi sa	6.9'	damp				
				5-8'			Brn Fi sa	8'	Mast				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: CEF-DU03 6'

Converted to Well: Yes _____ No X Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54 DT

BORING NUMBER: CEF-293-SU-120
DATE: 10/8/02
GEOLOGIST: SLM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2"			Asphalt						
				2"-5"			Limestone Base						
				5"-4'			DK Brn Fi sa						
				4-8'			Red/Brn Fi sa	6.5'	moist		0	0	0
								7'	saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: CEF-DU02- 4FT
293

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-121
DATE: 10/8/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2"			Asphalt						
				2"-7"			Limestone Base				0	3.0	0
				7"-3'			DK Brn Fr sa	6'	Dry				
				3-8'			Red/Brn Fr sa	7'	Moist		0	0	0
													0
								54'	UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF 293-54-122
DATE: 10/8/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4'			DK Brn Fi sa						0
				4-5'			DK Brn Fi sa	4.5-5.5	Moist				
				5-8'			Brn Fi sa	6-7'	DRY		0	0	0
								7↓	saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-123
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1.5'			Asphalt						0
				1.5-8"			Limestone Base	4-5'	wet above HardPan				
				8"-6'			Brn Fi sa	SP	damp				
				6-8			Red/Brn Fi sa	SP	moist				
								8'	Saturated				0
									UNF FIC COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-124
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1.5"			Asphalt					0	0
				1.5"-8"			Limestone Base						
				8"-3.5			Pale Brn Fi sa				0	0	0
				3.5-6'			Brn Fi sa	6.5	Moist				
				6-8'			Red/Brn Fi sa	8'	Saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-125
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2'			DK Brn Fi sa						
				2'-3'			Red/Brn Fi sa						
				3'-5'			Brn Fi sa	4'	Wet above HP		0	0	0
				5-7'			Red/Brn Fi sa	7'	moist				
				7-8'			Pale Brn Fi sa	8'	saturated				0
									UNF- Fil Cor				
								4'	0 0 0				
								6'	~~0 Sm 0~~				
								6'	629.6 0 629.6				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: HP = Hard Pan

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-126
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2'			DK Brn Fi sa						
				2-3'			Brn Fi sa				0	0	0
				3-5'			Pale Brn Fi sa						
				5-7'			Red/Brn Fi sa	7'	moist				
				7-8'			Pale Brn Fi sa	8'	Saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: MS/MSD 4'

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-127
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5.5'			DK Brn Fi sa						
				5.5-6.5'			Brn/Pale Brn Fi sa mix						
				6.5-8'			Pale Brn Fi sa	7'	moist		0	0	0
								8'	saturated				
													0
									UNF FIL COR				
								1'	0 0 0				
								4'	0 0 0				
								6	364.8 8.8 356				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-128
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-6'			DK Brn Fr Sa						
				6-8'			Pale Brn Fr Sa						
								7'	moist				
								8'	Saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: CEF-DU05-6'

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-129
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4.5			DK Brn Fi sa						0
				4.5-8'			Brn Fi sa						
								7'	moist		0	0	0
								8'	saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Hand Augering difficult due to rocks on berm.

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-130
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0 -4.5			Blk-Gry Fi sa						
				4.5-8'			Red/Brn Fi sa	7'	moist		0	0	0
								7.5'	saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-131
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-3'			DK Brn Fi sa					0	0
				3-4'			Pale Brn Fi sa/DKBRN						
				4-6			DK Brn Fi sa	6'	moist				
				6-8			Red/Brn Fi sa	8'	Saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: CEF-293-DU06

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-132
DATE: 10/9/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	* PID/FID Reading (ppm): Sample	Sampler B2	Borehole**	Driller B2**
				0-3'			DK BRN Fi sa						0
				3-3.2'			Pale Brn Fi sa						
				3.2-4'			DK Brn Fi sa				0	0	0
				4-4.5'			Bt DK Brn/Gry Fi sa						
				4.5-6'			Pale Brn Fi sa	6-7'	saturated				0
				6-8'			Red/Brn Fi sa	8'	dry		0	0	0
				8-9'			DK Brn Fi sa	8.2'	saturated				
				9-10'			Red/Brn Fi sa		UNF FIL COR				
				10-12'			Pale Brn Fi sa	4'	0 0 0				
								8'	24.1 0 24.1				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: MS/MSD

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-133
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2.5			DK Brn Fi sa						
				2.5-3.5			Pale Brn Fi sa				0	0	0
				3.5-6'			DK Brn Fi sa	4'-7.5'	Saturated				
				6-8'			Red/Brn Fi sa	8'	dry		0	0	0
				8-11'			Red Brn Fi sa	8.2'	saturated				0
									UNF FIL COR				
								4'	81.9 0 81.9				
								8'	752.1 13.3 738.8				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-134
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-3'			DK Brn Fi sa				0	0	0
				3-4'			Pale Brn Fi sa						
				4-6'			DK Brn Fi sa	4-6.5'	Saturated				
				6-8'			Red/Brn Fi sa	8'	dry		0	0	0
				8-11'			Brn Fi sa	8.2'	Saturated				0
				11-12'			Pale Brn Fi sa						
									UNF FIL COR				
								4'	339.2 0 339.2				
								8'	175.5 0 175.5				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: CEF-293-DU07

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-135
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5'			DK Brn Fi sa						0
				5-8'			DK Brn/Red Fi sa	4-6'	Saturated				
				8-10'			Red/Brn Fi sa	7'	moist				
								8'	Dry				
								8.5'	Saturated				0
									UNF - FIL COR				
								4'	0 0 0				
								8'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-136
DATE: 10/9/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4'			DK Brn Fi sa						
				4-4.5'			Red/Brn Fi sa						
				4.5-5.5'			DK Brn Fi sa w/organics				0	0	0
				5.5-6.5'			Red/Brn Fi sa w/organics	7.5'	Moist				
				6.5-8'			Pale Brn Fi sa	8'	Saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-137
DATE: 10/ /02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1'			DK Brn Fi sa						
				1-2'			Pale Brn Fi sa				0	0	0
				2-5.5'			Brn Fi sa w/organics	4.65'	Saturated				
				5.5-8'			Red/Brn Fi sa	8'	SRm ~~Moist~~ Dry				
				8-9'			Red/Brn Fi sa	10	damp				0
				9-11'			Pale Brn Fi sa	11'	saturated				
									UNF FIL COR				
								1'	0 0 0				
								4'	27.0 0 27.0				
								8'	75.6 0 75.6				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: CEF-293-DU08

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-138
DATE: 10/ /02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-5.5'			DK Brn Fi sa/w/organics	3.5-5.5'	saturated		0	0	0
				5.5-8'			Red/Brn Fi sa	5.5'-6'	MOIST				
				8-10'			Pale Brn Fi sa	8.3'	saturated				
				10-12'			Red/Brn Fi sa	8.3-12'	saturated		0	0	0
													0
									UNF FIL COR				
								1'	0 0 0				
								4'	0 0 0				
								8'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-139
DATE: 10/11/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-4'			Dk Brn/Gry Fi sa					0	0
				4-5'			Red/Brn Fi sa						
				5-6'			Brn Fi sa	6'-7.5'	saturated		0	0	0
				6-9'			Red/Brn Fi sa	8'	Dry				
								8.5'	saturated				0
									UNF FIL COR				
								1'	0 0 0				
								4'	0 0 0				
								8'	614 0 614				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Fr S/MSD Red/Brn Fi sa = Cemented sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT
BORING NUMBER: CEF-293-SU-140
DATE: 10/11/02
GEOLOGIST: SRM, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole*	Driller BZ**
				0-4.5			DK Brn Fi sa						0
				4.5-7'			Red/Brn Fi sa						
				7-8.5			Pale Brn Fi sa	7'	moist		0	0	0
								8'	saturated		0	0	0
													0
									UNF FIL COR				
								1'	0 0 0				
								4'	163.1 0 163.1				
								6'	565.3 0 565.3				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: This boring relocated Approx. 5' due East of marked location
Red/Brn Fi sa = Cemented Sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-141
DATE: 10/11/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-3"			Asphalt						0
				3"-8"			Limestone Base						
				8"-4'			Dk Brn Fi sa w/organics						
				4'-5'			Red/Brn Fi sa				0	0	0
				5-6			Red/Brn Fi sa	6'	damp				0
				6-9'			Pale Brn Fi sa	7-9'	saturated				
									UNF FIL COR				
								1'	0 0 0				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Red/Brn Fi sa = Cemented Sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-142
DATE: 10/11/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-1.5'			Asphalt						0
				1.5-~~4.0~~ 5.0'			Limestone Base						
				8"-4'			DK Brn Fi sa	6'	damp		0	0	0
				4' 8'			Red/Brn Fi sa	8'	Moist/saturated				
				8-9'			Pale Brn Fi sa	9'	saturated				0
									UNF FIL COR				
								4'	0 0 0				
								6'	17.4 0 17.4				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Red/Brn Fi Sa = Cemented sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-143
DATE: 10/11/02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-3'			DK Brn Fi sa						0
				3-6'			Red/Brn Fi sa						
				6-8			Pale Brn Fi sa	7'	moist		0	0	0
								8'	Saturated				
													0
									UNF FIL COR				
								4'	24.2 0 24.2				
								6'	37.0 0 37.0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Red/Brn Fi sa = Cemented sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-144
DATE: 10/ /02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2.5'			DK Brn Fi sa						0
				2.5'-6'			Red/Brn Fi sa						
				6-8'			Pale Brn Fi sa	6'	Moist		0	0	0
								7	Saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6	0 0 0				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: MS/MSD Red/Brn Fi sa = cemented sand

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-145
DATE: 10/ /02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-2.5'			DK Brn Fi sa						0
				2.5-6'			Red Brn Fi sa						
				6-8			Pale Brn Fi sa	6'	Moist		0	0	0
								7'	Saturated				
													0
									UNF FIL COR				
								4'	0 0 0				
								6'	0 0 0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Red/Brn Fi sa = Cemented sand

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Day Tank 1, Phase II
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: Columbia Tech
DRILLING RIG: Geoprobe 54DT

BORING NUMBER: CEF-293-SU-146
DATE: 10/ /02
GEOLOGIST: SRm, MF
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				0-3.5'			Brn Fi sa w/organics						0
				3.5-6.5'			Red/Brn Fi sa	6'	Moist				
				6.5-8'			Pale Brn Fi sa	7'	saturated		0	0	0
													0
									UNF FIL COR				
								4'	0 0 0				
								4'	0 0 0				
								6'	24.4 0 24.4				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: CEF-293-DU10 Red/Brn Fi sa = cemented sand

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger / STRATAPROBE

BORING NUMBER: CEF-293-SB-201
DATE: 11-10-02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ
	0-6"				black		silty fine sand	SM	dry			10.8	5.4
	6"-3'				gray		silty fine sand	SM	dry				
	3'-4'				dk. red	brn	silty fine sand	SM	dry			14.4	5.4
	4-6'				org	brn	silty fine sand	SM	dry			0.0	0.0
	6-6.5'				lt. org	brn	silty fine sand	SM	dry				
	6.5-8'				lt.	brn	silty fine sand	SM	moist @ 7.5'				
							EOB @ 8' bls.						

OVA - FID (ppm)

Depth (Ft bls)	UNFIL	FIL	CORRECTED
3-4	67.3	7.1	60.2
7	0.0	0.0	0.0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 11/10 5.4 / 11/11 0.0

Remarks: Top 4' hand augered on 11/10/02, lower 4' cored with Stratapobe on 11/11/02.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: HandAuger / STRATAPROBE

BORING NUMBER: CSF-293-SB-202
DATE: 11/10/02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ
	0-4"				white		gravel	GP	(3/8-1/2" diam.) dry				
	0-4"				white		felt	—	dry				
	4"-1.5'				gray	brn	silty fine sand	SM	dry				
	1.5-2'				yellow	brn	silty fine sand	SM	dry			19.2	2.5
	2-4'				gray	brn	silty fine sand	SM	dry			30.8	12.5
	4-5.5'				dk. red	brn	silty fine sand	SM	loose, wet				
	5.5-6'				dk. red	brn	silty fine sand	SM	hardpan, dry cemented				
	6-7				org.	brn	silty fine sand	SM	dry				
	7-8				lt.	brn	silty fine sand	SM	damp			0.0	0.0
	8-10				org	brn	silty fine sand	SM	wet @ 8.5' b/s.				
	10-12				lt. gray	brn	silty fine sand	SM	wet				
							Refusal @ 12' b/s.						

OVA FID (ppm)

Depth (Ft. b/s)	UNFIL	FIL	CORRECTED
3-4	13.3	10.1	3.2
7-7.5	0.0	0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 11/10 11/11

Background (ppm): 2.5 0.0

Remarks: We collected data on top 4' with hand auger on 11/10 and the bottom 8' with STRATAPROBE on 11/11.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger / STRATA PROBE
BORING NUMBER: CEF-293-SB-203
DATE: 11-10-02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sample Bkgd	Borehole	Drill Bkgd
	0-6"				white		gravel	GP	3/8-½" diam. dry				
	0-6"				black		PVC liner*	—					
	6"-2.75'				dk. gray	brn	silty fine sand	SM	dry				
	2.75-3.25'				lt. gray		silty fine sand	SM				3.2	0.0
	3.25-4'				black		silty fine sand	SM	dry			11.0	0.0
	4-5.25'				dk. red	brn	silty fine sand	SM	loose, wet				
	5.25-6.25'				red	brn	silty fine sand	SM	cemented, dry hardpan				
	6.25-7'				org	brn	silty fine sand	SM	damp				
	7-8				lt.	brn	silty fine sand	SM	damp				
	8-12				lt.	brn	silty fine sand	SM	wet @ 9.5' b/s				
							EOB @ 12' b/s.						

OVA-FID (ppm)

Depth (ft. b/s)	UNFIL	FIL	CORRECTED
3.25-4	125.6	2.3	123.3
7-8	58.7	0.0	58.7

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read

Drilling Area Background (ppm): 0.0

Remarks: * We cut out a 4" sq. piece which was above the pond water level

Top 4' collected on 11/10 by hand; bottom 8' collected on 11/11 by DPT.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger

BORING NUMBER: CEF-293-SB-204
DATE: 11-10-02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ
	0-8"				white		gravel	GP	(3/8-1/2" diam) dry				
	@8"				black		PVC Liner *	—	dry				
	8"-3'				black		silty fine sand	SM	dry			27.0	9.5
	3-4'				gray		silty fine sand	SM	dry			40.2	9.5
							DVA - FID (ppm)						
					Depth (Ft. BLS)		UNFIL	FIL	CORR.				
					3-4		21.3	30.1	I				

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 9.5

Remarks: * We cut out a 4" sq. piece of liner above the pond's water line

I - Indeterminate

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A./STRATAPROBE
BORING NUMBER: CEF-293-SB-204
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	4-6				dk. red	brn	silty fine sd.	SM	loose, wet			53	8
	6-8				org.	brn	silty fine sd.	SM	cemented, dry			19.1	10.4
							EOBG & MD						
	8-11				dk. red	brn	silty fine sd.	SM	loose, saturated				
	11-12				org.	brn	silty fine sd.	SM	wet				
							EOBG 12' BLS.						

OVA FID (ppm)

UNFIL	FIL	CORR.	Depth (FT BLS)
312.6	0.0	312.6	7-8

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 2.8

Remarks: Top 4' hand augered per safety policy See pg. 1 of 2 for upper 4' of bor. log

H.A. hand auger

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A./STRATAPROBE

BORING NUMBER: CEF-293 SB-205
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	0-2	ND					see lith. data from		ph. II			30.2	22.4
	2-4						see lith. data from		ph. II			36.9	23.4
	4-6				dk. redbrn		silty fine sd.	SM	wet				
	6-6.25				org. brn		silty fine sd.	SM	damp, cemented				
	6.25-8				org. brn		silty fine sd.	SM	dry, cemented				
	8-12				black		silty fine sd.	SM	saturated				
									est. ∇ @ 8' bls.				
							EOB @ 12' bls						
							OVA FID (ppm)						
					UNFILTERED		FILTERED		CORR.	Depth (Ft. BLS)			
					1014.0		10.2		1003.8		7-8		

* When rock coring, enter rock brokeness
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 22-27

Remarks: Upper 4' hand augered per safety policy. H.A. hand auger

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATA PROBE

BORING NUMBER: CEF-293-SB-206
DATE: 11/8/02
GEOLOGIST: Mervin Dale
DRILLER: ED RENARD

Sample No and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ
	0-1				gray/blk		fine sand	SP	dry				
	1-4				or. brown		silty fine sand	SM	dry			0.9	
	4-5½				org. brown		silty fine sand	SM	dry				
	5½"-7'				lt. brown		silty fine sand	SM	moist at 6'			27.0	5.4
							EOB @ 7' b/s.						
							OVA FID (PPM)						
					Depth	(ft. b/s)	UNFILTERED		FILTERED		CORRECTED		
						5-6	1066		60.2		1005.8		

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.9

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand / STRATA PROBE

BORING NUMBER: CEF-293-SB-207
DATE: 11/8/02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: ED RENARD

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ
	0-4				dk	brown	silty fine sand	SM	dry			0.9	0.9
	4-7				org.	brn	silty fine sand	SM	moist @ 6.5, wet @ 7				
	7-8				lt.	brn	silty fine sand	SM	wet.				
							EOB @ 8' bls.						
							OVA FID (ppm)						
					UNFIL.		FIL.	CORR.	Depth (Ft. bls)				
					288.9		0.0	288.9	5-6				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.9

Remarks: Top 4' hand augered on 11/8/02, bottom 4' OVA collected on 11/11/02.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATAPROBE

BORING NUMBER: CEF-293-SB-208
DATE: 11/8/02
GEOLOGIST: Mervin Dale
DRILLER: ED RENARD

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample Zone	Sample Jar EZ	Borehole**	Other EZ
	0-4				DK.	BRN	silty fine Sand	SM	dry			0.9	

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read

Remarks:

Drilling Area Background (ppm): 0.9

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand A, STRATAPROBE

BORING NUMBER: CEF-293-SB-208
DATE: 11/8/02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: ED RENARD

Sample No and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Remarks**	Driller BZ
	0-4				dk.	BRN	silty fine Sand	SM	dry			0.9	0.9
	4-7				org.	brn	silty fine Sand	SM	Moist @ 6.5'				
									wet @ 7'				
	7-8				lt.	brn	silty fine sand	SM	wet				
							EOB @ 8' bls						
							OVA - FID (ppm)						
					Depth	(Ft bls)	UNFIL	FIL	CORR.				
					5-6		486.4	0.0	486.4				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read

Remarks: Top 4' data collected by hand auger on 11/8
Bottom 4' data collected by DPT on 11/11/02.

Drilling Area Background (ppm): 0.9

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
BORING NUMBER: CEF-293-SB-209
PROJECT NUMBER: N0039DS005H105
DATE: 11/6/02
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
GEOLOGIST: Mervin Dale
DRILLING RIG: STRATAPROBE
DRILLER: Ed. Redard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness*	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	0-4				dk. brown		silty, fine sand	SM	dry		0.9	17.7	0.9
	4-6				dk. brown		silty, fine sand	SM	dry				
	6-8				red brown		silty, fine sand	SM	moist @ 6.5'				
									wet @ 7' bls.				
							EOB 8' bls						
							OVA FID (PPM)						
					DEPTH		UNFILTER FILTER		CORRECTED				
					5-6	bls	445.9 4.4		441.5				

* When rock coring, enter rock brokeness.
** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.9

Converted to Well: Yes ____ No X Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATA PROBE
BORING NUMBER: CEF-293-SB-210
DATE: 11/8/02
GEOLOGIST: Mervin Dale
DRILLER: ED RENARD

Sample No. and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	0-4				dk. brn		silty fine sand	SM	dry			2.2	
	4-7.5				lt. red brown		silty fine sand	SM	dry, moist at 7'				
	7.5-8				lt. red brown		silty fine sand	SM	wet @ 7.5' b/s.				
							EOB @ 8' b/s.						
									OVA FID (ppm)				
					DEPTH (FT.BLS)		UNFILTER		FILTER	CORRECTED			
						5-6	2.2		2.2	0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 2.2

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
BORING NUMBER: CEF-293-SB-211
PROJECT NUMBER: N0039DS005H105
DATE: 11/8/02
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
GEOLOGIST: Mervin Dale
DRILLING RIG: STRATA PROBE
DRILLER: ED RENARD

Sample No. and Type or RQD	Depth (Ft) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-4				dk. brown silty fine sand			SM	dry			4.2	
	4-7				lt. red brn silty fine sand			SM	moist @ 7'bls				
	7-8				lt. red brn silty fine sand			SM	wet @ 7.5'bls				
					EOB @ 8'bls								
									OVA FID (PPM)				
					DEPTH (FT. BLS)		UNFILTERED		FILTERED		CORRECTED		
					5-6		70.2		6.0		64.2		

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 4.2

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
BORING NUMBER: CEF-293-SB-212
PROJECT NUMBER: N0039DS005H105
DATE: 11/11/02
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
GEOLOGIST: Mervin Dale
DRILLING RIG: STRATA PROBE
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ
	0-1"						Asphalt						
	1"-3"				yellow		limerock						
	3"-3'				DK.	Brn	silty fine sand	SM	dry			0.0	0.0
	3'-4'					Gray	silty fine sand	SM	dry				
	4-5						lost					0.0	0.0
	5-6				org.	brn	silty fine sand	SM	dry/moist @ 6.5'	no			
	6-7				org.	brn	silty fine sand	SM	moist @ 6.5'				
	7-8				lt.	brn	silty fine sand	SM	wet @ 7'				
							EOB @ 8' bls.						

OVA FID (ppm)

Depth (ft. bls)	UNFIL	FIL	CORR.
5-6	943.2	0.0	943.2

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATA PROBE

BORING NUMBER: CEF-293-SB-213
DATE: 11-9-02
GEOLOGIST: Mervin Dale
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ
	0-4"						concrete						
	4"-2'				dk. brown		silty fine sand	SM	dry			17.7	2.1
	2-3'				dk. brown		silty fine sand	SM	dry			49.0	5.4
	3-3.5'				gray brn		silty fine sand	SM	dry			20.3	5.9
	3.5-4'				gray		silty fine sand	SM	dry			33.0	6.0
	4-4.5'				gray black		silty fine sand	SM	dry				
	4.5-6'				brown		silty fine sand	SM	dry, pet. odor				
	6-8				lt. brn		silty fine sand	SM	moist @ 6.5' wet @ 7'				
							EOBG 8' BLS						
							N/A FID (ppm)						
					Depth (Ft. b/s)		Unfilter		Filter	Corrected			
					5-6		3200.0		20.0	3180.0			

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 1.4

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATAPROBE

BORING NUMBER: CEF-293-SB-214
DATE: 11-9-02
GEOLOGIST: Mervin Dale
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm) Sample	Sample BZ	Breathing Zone	Driller BZ
	0-1'						Asphalt						
	1'-6"				yellow		limerock						
	6"-2'				black		silty fine sand	SM	organic, dry			17.7	15.5
	2-3'				dk. gray		silty fine sand	SM	dry				
	3-3.25'				lt. gray		silty fine sand	SM	dry			20.5	15.6
	3.25-4'				black		silty fine sand	SM	dry			30	19
	4-5'				brown		silty fine sand	SM	dry				
	5-7'				sl. reddish brn		silty fine sand	SM	moist @ 6.5'				
									wet @ 7'				
									petroleum odor				
	7-8'				lt. brn		silty fine sand	SM	wet, pet. odor				
							EOB @ 8' bls						
							OVA - FID (ppm)						
					Depth (ft bls)		UNFILTERED		FILTER		CORRECTED		
					5-6		1326		19.7		1306.3		

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 14.5

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: STRATA PROBE

BORING NUMBER: CEF-293-SB-215
DATE: 11-9-02
GEOLOGIST: Mervin Dale
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sample BZ	Borehole**	Outer BZ
	0-1"						Asphalt						
	1"-6"				yellow		lime rock						
	6"-2.5'				dk. brn		fine silty sand	SM	dry			26	25
	2.5-2.75'				lt. gray brn		fine silty sand	SM	dry				
	2.75-3.5'				black		silty fine sand	SM	dry			29.4	26
	3.5-4'				brn. gray		silty fine sand	SM	damp			29.0	24.0
	4-4.5						Lost						
	4.5-5				lt. brown		silty fine sand	SM	dry				
	5-6				brown		silty fine sand	SM	dry				
	6-7				lt. red brn		silty fine sand	SM	moist @ 7'				
	7-8				lt. brown		silty fine sand	SM	wet @ 7.5'				
							EOB @ 8' bls						
							OVA - FID (ppm)						
					Depth (Ft bls)		UNFILTER		FILTER	CORRECTED			
						5-6	1095		21.6	1073.4			

* When rock coring, enter rock brokeness
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 24.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger / STRATAPROBE
BORING NUMBER: CEF-293-SB-216
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
NO	0-3.5'	NP											
	0-4"						concrete						
	4"-3.5'				black		silty fine sand	SM	dry				
	3.5-4				brown		silty fine sand	SM	dry				
	4-6				gray		silty fine sand	SM	loose, moist				
	6-8	MO							@ 5.8', wet @ 6.25'	*			
	6-8				black		SILTY FINE SAND	SM	wet, loose				
							EOB @ 8' bls.						
							OVA - FID (ppm)						
					Depth (Ft. bls)		UNFIL		FIL	CORR.			
						5-6	2319		14.4	2304.6			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 8.5

Remarks: Petroleum odor @ 6-8', upon entry of H_2O to wet soil @ 6-8' bls, a sheen spreads. This sheen indicative of free product. At that interval had not water.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A./ STRATAPROBE

BORING NUMBER: CEF-293-SB-217
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Pt) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Drilling BZ
	0-5'						concrete						
	5'-6.5'					black	SILTY FINE SAND	SM	dry			15.9	14.7
	6.5-2					black	SILTY FINE SAND	SM	dry				
	2-4					dk. brn	SILTY FINE SAND	SM	DRY				
	4-4.5					dk. gray	SILTY FINE SAND	SM	DRY			12.7	9.7
	4.5-6					dk. gray	SILTY FINE SAND	SM	OILY SUBSTANCE				
									Shoring @ 5.5-6' bls				
									cemented @				
									5.75-6.25'				
	6-7					dk. org brn	SILTY FINE SD.		dry				
	7-8					org brn	SILTY FINE SAND		dry				
									cemented @ 7.75 to 8'				
							EOB @ 8' bls.						
							DVA-FID (ppm)						
					Depth (ft bls)		UNFIL.		FIL. COAR.				
					5-6		4572		21.8 4550.2				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 9.7

Remarks: H.A. - hand auger upper 4' per safety policy

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger / STRATAPROBE

BORING NUMBER: CEF-293-SB-218
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole*	Driller BZ**
	0-4'						concrete						
	4'-1'				black		SILTY FINE SAND	SM	dry			3.1	0.0
	1-2.5				black		SILTY FINE SAND	SM	dry			3.4	0.0
	2.5-4				black		SILTY FINE SAND	SM	DRY				
	4-4.25				org	brn	SILTY FINE SAND	SM	DRY CEMENTED			3.2	0.0
	4.25-5.5				org	brn	SILTY FINE SAND	SM	dry cemented				
									to 4.5', loose to				
									5.5'.				
	5.5-8				dk red	brn	SILTY FINE SAND	SM	DAMP AT 6'				
									MOIST AT 6.5'				
									▽ @ 7' bls.				
							EOB @ 8' BLS						
							OVA-FID (ppm)						
					UNFIL		FIL		CORR.	DEPTH (FT. BLS)			
					1778		15.5		1762.5	5-6			

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: hand auger upper 4' for safety sake.

Converted to Well: Yes ~~X~~ No X Well I.D. #:

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
BORING NUMBER: CEF-293-SB-219
PROJECT NUMBER: N0039DS005H105
DATE: 11/11/02
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
GEOLOGIST: Mervin Dale
DRILLING RIG: STRATAPROBE
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Spil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	0-1.5"						Asphalt						
	1.5"-6"				yellow		Rock						
	6"-2'				black		silty fine sd.	SM	dry			0.0	0.0
	2'-3'				black		silty fine sd.	SM	dry				
	3-3.5'				gray		silty fine sand	SM	dry			0.0	0.0
	3.5-4'				org brn		silty fine sand	SM					
	4-6.5'				org brn		silty fine sand	SM	dry				
	6.5-8'				lt. brn		silty fine sand	SM	Moist @ 6.5'				
									wet @ 7' b/s.				
							EOB @ 8' b/s.						
							OVA FID (ppm)						
					Depth (Ft b/s)		UNFIL		FIL / CORR.				
					5-6		0.0		0.0 / 0.0				

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A. STRATAPROBE

BORING NUMBER: CEF-293-SB-220
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sample Bz	Borehole**	Driller Bz
	0-4"						Asphalt		No limerock				
	4"-8"					gray	silty fine sand	SM	dry				
	8"-1.25'					black	silty fine sand	SM	dry				
	1.25-1.5					dk. red brn	silty fine sand	SM	dry				
	1.5-1.75					org brn	silty fine sand	SM	dry				
	1.75-2.25					lt. brn	silty fine sand	SM	damp				
	2.25-4					org brn	silty fine sand	SM	dry			27.2	26.4
	4-5.5					org brn	silty fine sand	SM	dry loose				
	5.5-6					brown	SILTY FINE SAND	SM	dry				
	6-8					lt. brown	SILTY FINE SAND	SM	loose, moist 6.5'				
									wet @ 6.75'				
							EOB @ 8' b/s						
							OVA FID (ppm)						
					UNFIL		FIL		CORR.	Depth (Ft. b/s)			
					1356		43.3		1312.7	5-6			

* When rock coring, ...ter rock brokeness.
** Include monitor reading in 8 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 268

Remarks:
H.A. - hand auger top 4' b/s.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A. / STRATAPROBE
BORING NUMBER: CEF-23-SB-221
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Breathing**	Driller BZ
	0-3"						Asphalt						
	3"-6"				yellow		LIMEROCK						
	6"-1.5'				brown		SILTY FINE SAND	SM	DRY				
	1.5-2				Lt. brn		SILTY FINE SAND	SM	DRY				
	2-3				Lt. Gray BRN		SILTY FINE SAND	SM	DAMP, w/clay				
	3-4				org. brn		silty FINE SAND	SM	damp			1/5.5	1/5.5
					to red brn								
	4-6.25				org brn		SILTY FINE SAND	SM	DRY, SOME cementing				
	6.25-6.5				brn		SILTY FINE SAND	SM	DAMP				
	6.5-7				brn		SILTY FINE SAND	SM	Moist				
	7-8				Lt. brn		SILTY FINE SAND	SM	▽ @ 7' b/s.				
							EOB @ 8' b/s.						
							OVA - FID (PPM)						
					UNFIL		FIL		CORR.	Depth (Ft. BLS)			
					0.0		0.0		0.0		5-6		

* When rock coring, enter rock brokeness.
** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: A.A. - hand augered top 4' per safety policy.

Drilling Area Background (ppm): 20-24

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: H.A./STRATAPROBE
BORING NUMBER: CEF-293-SB-222
DATE: 11/12/02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample To	Sample BZ	Remarks	Driller BZ
	0-4"						Asphalt					4ag	27.2
	4"-10"				yellow		limerock						
	10"-1'				black		silty fine sand	SM	dry				
	1-1.5				org. brn		silty fine sand	SM	dry				
	1.5-2.5				yw brn		silty fine sand	SM	dry				
	2.5-3				gray brn		silty fine sand	SM	damp			28.6	27.2
	3-4				brown		silty fine sand	SM	damp				
	4-6				org. brn		silty fine sand	SM	Mottled black				
									cemented @ 5.5'				
	6-6.5				black		silty fine sand	SM	Mottled y/brown				
									dry, cemented				
	6.5-7				brown		silty fine sand	SM	cemented, moist				
	7-8				brown		silty fine sand	SM	loose, wet @ 7'				
							EOB @ 8' bls						
							OVA - FID						
					UNFIL		FIL		CORR.	DEPTH (FTBLS)			
					52.8		0.0		52.8		5-6		

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 29.2

Remarks: H.A. - hand auger top 4' per safety policy

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSOO5H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: hand auger

BORING NUMBER: CEF-293-SS-~~224~~ 223-01
DATE: 11-8-02
GEOLOGIST: Mervin Dale, CM
DRILLER: E. Metz

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Barehole**	Driller BZ
	1			0-1	brown		fine sand	SP	cm dry ~~grey sand~~				
									~~cm moist~~	0	0	0	0
							EOB 1' bls						
							Sample at 1'						
							(FID = 0.0 ppm)						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: HAND AUGER

BORING NUMBER: CEF-293-SB-224
DATE: 11-10-02
GEOLOGIST: Mervin Dale
DRILLER: Mike Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ
	0-6"				black		silty fine sand	SM	dry			1.7	0.0
	6"-1'				lt. gray		silty fine sand	SM	dry			1.7	0.0
	1-1.5'				black		silty fine sand	SM	dry				
	1.5-2.5'				dk. brn		silty fine sand	SM	dry			0.0	0.0
	2.5-4				dk. red brn		silty fine sand	SM	dry			0.0	0.0
							EOB @ 4' b/s						
					OVA-FID (ppm)								
					Depth (Ft. b/s)		UNF / FIL		COMP.				
					3-4		13.8 / 0.0		13.8				

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: hand auger

BORING NUMBER: CCP-281-SS-225-04
DATE: 11/8/02
GEOLOGIST: Mervin Dale
DRILLER: C. Metz

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	1.5			0-1.5	brown		fine silty sand		dry				
	2.5			1.5-2.5	black		fine silty sand		dry				
	4			2.5-4	reddish brown		fine sand		hardpan at 3.5 ft, dry	0	0	0	0
							EOB 4'b/s						
							Sample at 3.5-4.0 ft						
							FID = 0.0 ppm						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

SA 226

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: hand Auger

BORING NUMBER: CCF-293-SS-226-044
DATE: 11/8/02
GEOLOGIST: Mervin Dale, CM
DRILLER: CM

Sample No. and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ
	1.5			0-1.5	light brown		fine silty sand	SM	dry				
	3.5			1.5-3.5	reddish brown		fine sand w/rocks	SP	dry	0	0	0	0
							EOB						
							3.5 ft FID 0 ppm						

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ____ No X Well I.D. #: ~~CCF-293-SS-226-00~~

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand auger

BORING NUMBER: CEF-293-~~SA~~ SB-227- na
DATE: 11-10-02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole*	Drifter BZ**
	0-2				lt. gray		silty v. fine sand	SM	dry			9.8	5.9
	2-4				lt. brown		silty fine sand	SM	dry			10.8	5.9
							EOB @ 4' BLS						
							OVA-FID (ppm)						
					Depth (Ft. bls)		UNFIL / FIL		CORRECTED				
					3-4		15.2 / 5.4		9.8				

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 5.9

Remarks: SITE ADJACENT TO EXPOSED MANHOLE (2' diam.) And had to move from original location 4 ft. to avoid vault around it. Moved due north off original location.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005R105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger / STRATAprobe

BORING NUMBER: CEF-293-SB-228
DATE: 11/10/02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: Mr. Schofield

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistancy or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Other BZ
	0-1'				dk. gray	brn	silty fine sand	SM	dry			28	10.7
	1-2.5'				lt. gray		silty fine sand	SM	dry				
	2.5-3.25'				dk. gray	brn	silty fine sand	SM	dry			40	10.7
	3.25-3.5'				red	brown	silty fine sand	SM	Moist @ 3.5'			53.1	13.9
	3.5-4						No Sample						
	4-6.5'				org	brn	silty fine sand	SM	dry				
	6.5-8'				lt.	brn	silty fine sand	SM	damp @ 7' bls.				
	8-12				lt.	brn	silty fine sand	SM	wet @ 8'2"			0.0	0.0
							EOB @ 12' bls						

OVA - FID (ppm)

Depth (Ft. bls)	UNFIL	FIL	CORR.
3.25-3.5	268.3	72.8	195.5
5-6	1012	0.0	1012

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area 11/10 / 11/11

Background (ppm): 10.7 / 0.0

Remarks: Top 4' of data collected by hand on 11/10
Lower 8' of data collected by DPT on 11/12.

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DSO05H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand Auger

BORING NUMBER: CEF-293-SB-229
DATE: 11-10-02
GEOLOGIST: Mervin Dale
DRILLER: M. Schofield

Sample No and Type or RQD	Depth (Ft.) or Run No	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ
	0-1				dk. gray	brown	silty fine sand	SM	dry			0.0	0.0
	1-2				gray		silty fine sand	SM	dry				
	2-3				black		silty fine sand	SM	dry, pet. odor			0.0	0.0
	3-4				red brown		silty fine sand	SM	dry			3.4	0.0
							EOB @ 4' bls						
							OVA-FID (ppm)						
					Depth (Ft. bls)		WHFIL	FIL	CORRECTED				
					3-4		62.3	14.1	48.2				

* When rock coring, enter rock brokeness

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read

Drilling Area Background (ppm): 0-0

Remarks:

Converted to Well: Yes ____ No X Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: COLUMBIA TECHNOLOGIES
DRILLING RIG: Hand auger / SPRATHAMER

BORING NUMBER: CEF-293-SB-230
DATE: 11-9-02 / 11/11/02
GEOLOGIST: Mervin Dale
DRILLER: Ed Renard

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Borehole BZ**
	0-6"				yellow		limerock						
	6"-1'				gray		silty fine sand	SM	dry				
	1-2'				black		silty fine sand	SM	dry			1.2	1.2
	2-3'				red brn		silty fine sand	SM	dry				
	3-4'				red brn		silty fine sand	SM	damp			6.3	1.2
	4-6				org brn		silty fine sand	SM	dry				
	6-6.5				lt. brn		silty fine sand	SM	dry				
	6.5-8				lt. brn		silty fine sand	SM	Moist @ 6.5', water	25'			
							EOB @ 8' bls						
							OVA-FID (ppm)						
					Depth (Ft bls)		UNFILTER		FILTER	CORRECTED			
					3-4		33.7		23.7	10			
					5-6		31.2		0.0	31.2			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.5

Remarks: Top 4' data collected by hand auger on 11/9
Bottom 4' data collected by GPT on 11/11

Converted to Well: Yes ____ No X Well I.D. #: ____

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: n/a
DRILLING RIG: Hand auger

BORING NO.: CEF-293-SB-231
DATE: 11/26/02
GEOLOGIST: Mervin Dale
DRILLER: Dave Siefken

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sample BZ	Borehole**	Driller BZ**
	0-4"				white		gravel	GP	felt liner between gravel + sand.				
	4"-1'				dk. brn		silty fine sd.	SM	damp				
	1'-2				lt. gray		silty fine sd.	SM	damp, wet @ 2'bls.			0.0	0.0
							EOB @ 2'bls.						

OVA-FID (ppm)				
Unfiltered	Filtered	Corrected		Depth (ft bls)
0.0	0.0	0.0		1-2

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: No plastic liner encountered.

Converted to Well: Yes ____ No x Well I.D. #: ____

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: n/a
DRILLING RIG: Hand auger

BORING NO.: CEF-293-SB-232
DATE: 11/26/02
GEOLOGIST: Mervin Dale
DRILLER: Dave Siefken

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole	Driller BZ
	0-2"					lt.	gravel	GP	felt liner between gravel & sand.				
	2"-3'					dk. brn	silty fine sd.	SM	dry, damp			0.0	0.0
	3'					gray	silty fine sd.		damp			0.0	0.0

OVA-FID (ppm) Unfiltered	Filtered	Corrected	Depth (ft bls)
0.0	0.0	0.0	1-2
0.0	0.0	0.0	2-3

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks: No plastic liner encountered.

Converted to Well: Yes _____ No x _____ Well I.D. #: _____

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: n/a
DRILLING RIG: Hand auger

BORING NO.: CEF-293-SB-233
DATE: 11/26/02
GEOLOGIST: Mervin Dale
DRILLER: Dave Siefken

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0-1				dk. gray		silty fine sd.	SM	dry				
	1-2.5				lt. gray		silty fine sd.	SM	dry			0.0	0.0
	2.5-3				dk. gray-brn		silty fine sd.	SM	damp, pet. odor			0.0	0.0
							EOB @ 3' bls.						

OVA-FID (ppm)			
Unfiltered	Filtered	Corrected	Depth (ft bls)
0.0	0.0	0.0	2-3

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ____ No x ____ Well I.D. #: ____

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NAS CECIL FIELD
PROJECT NUMBER: N0039DS005H105
DRILLING COMPANY: n/a
DRILLING RIG: Hand auger

BORING NO.: CEF-293-SB-234
DATE: 11/26/02
GEOLOGIST: Mervin Dale
DRILLER: Dave Siefken

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sample @ BZ	Borehole**	Driller BZ**
	0-1				black		silty fine sand	SM	w/roots dry				
	1-3				gray	gray	silty fine sd.	SM	dry				
	3-4				red brown		silty fine sd.	SM	loose, damp to moist				
	4-5 MB				org. brn		silty fine sd.	SM	hard, dry			7.6	4.2
	5-6						same					156.	3.2
							EOB @ 6' bls						

OVA-FID (ppm)

Unfiltered	Filtered	Corrected	Depth (ft bls)
22.2	0.0	22.2	3-4
0.0	0.0	0.0	5-6

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 3.2

Remarks:

Converted to Well: Yes ____ No x ____ Well I.D. #: ____

APPENDIX B

LABORATORY ANALYTICAL DATA

APPENDIX B

The data and data validation reports comprise about 700 pages, so this information has been provided on a separate CD. The SDG numbers of the laboratory reports are listed below.

Phase	Laboratory	SDG numbers
I	Accutest	F14165
II	Accutest	F14953, F14979, F14990, F15008, F15024
III	GPL	211058, 211059, 211064, 211072, 211163
IV	Accutest	F19331, F19362

PHASE I LABORATORY ANALYTICAL DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **P. CALLIGAN** **DATE: SEPTEMBER 20, 2002**

FROM: **SETH C. STAFFEN** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOA / PAH / TPH**
CTO 248 – NAS CECIL FIELD
SDG: F14165

SAMPLES: 4/Soil/VOA/PAH/TPH

CEF-293-SB37-06 CEF-293-SB46-06 CEF-293-SB48-06
CEF-293-SB49-05

OVERVIEW

The sample set for CTO 248, SDG: F14165, Naval Air Station (NAS) Cecil Field; Florida consists of four (4) soil boring environmental samples. The samples were analyzed for BTEX and MTBE only, polynuclear aromatic hydrocarbons, and total petroleum hydrocarbons. No field duplicate pairs were included in this SDG.

The samples were collected by Tetra Tech, NUS on August 9, 2002 and analyzed by Accutest Laboratories. All analyses were performed in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria and analyzed according to SW 846 Method 8260B, 8310, and Florida-PRO analytical and reporting protocols. The data in this SDG was validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Initial/continuing calibrations
* • Laboratory method/field quality control blank results
* • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A.

The text of this report is formulated to address only gross noncompliances resulting in the rejection of data and the elimination of false positives.

VOA FRACTION

No gross noncompliances that would have resulted in the rejection of data were noted for this fraction.

PAH FRACTION

No gross noncompliances that would have resulted in the rejection of data were noted for this fraction.

TPH FRACTION

No gross noncompliances that would have resulted in the rejection of data were noted for this fraction.

ADDITIONAL COMMENTS

Positive results below the reporting limit were qualified as estimated, J, due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the NFESC guidelines "Navy IRCDQM" (September 1999). The text of this report has been formulated to address only those problems affecting data quality.

"I attest that the data referenced herein was validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Seth C. Staffen

Environmental Scientist/Data Validator
Tetra Tech, NUS

Joseph A. Samchuck

Data Validation Quality Assurance Officer
Tetra Tech, NUS

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SB37-06
samp_date	8/9/2002
lab_id	F14165-2
qc_type	NM
units	UG/KG
Pct_Solids	81.7
DUP_OF:	

Parameter	Result	ValQual	QualCode
BENZENE	6.6	U	
ETHYLBENZENE	6.6	U	
METHYL TERT-BUTYL ETHER	6.6	U	
TOLUENE	6.6	U	
TOTAL XYLENES	20	U	

nsample	CEF-293-SB46-06
samp_date	8/9/2002
lab_id	F14165-1
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	ValQual	QualCode
BENZENE	7.3	U	
ETHYLBENZENE	7.3	U	
METHYL TERT-BUTYL ETHER	7.3	U	
TOLUENE	7.3	U	
TOTAL XYLENES	22	U	

nsample	CEF-293-SB48-06
samp_date	8/9/2002
lab_id	F14165-3
qc_type	NM
units	UG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	ValQual	QualCode
BENZENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
TOLUENE	6.4	U	
TOTAL XYLENES	19	U	

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SB49-05
samp_date	8/9/2002
lab_id	F14165-4
qc_type	NM
units	UG/KG
Pct_Solids	89.5
DUP_OF:	

Parameter	Result	ValQual	QualCode
BENZENE	6.3	U	
ETHYLBENZENE	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
TOLUENE	4.6	J	P
TOTAL XYLENES	19	U	

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SB37-06
samp_date	8/9/2002
lab_id	F14165-2
qc_type	NM
units	UG/KG
Pct_Solids	81.7
DUP_OF:	

Parameter	Result	ValQual	QualCode
1-METHYLNAPHTHALENE	410	U	
2-METHYLNAPHTHALENE	410	U	
ACENAPHTHENE	830	U	
ACENAPHTHYLENE	830	U	
ANTHRACENE	410	U	
BENZO(A)ANTHRACENE	410	U	
BENZO(A)PYRENE	83	U	
BENZO(B)FLUORANTHENE	83	U	
BENZO(G,H,I)PERYLENE	83	U	
BENZO(K)FLUORANTHENE	83	U	
CHRYSENE	410	U	
DIBENZO(A,H)ANTHRACENE	83	U	
FLUORANTHENE	410	U	
FLUORENE	410	U	
INDENO(1,2,3-CD)PYRENE	83	U	
NAPHTHALENE	410	U	
PHENANTHRENE	410	U	
PYRENE	410	U	

nsample	CEF-293-SB46-06
samp_date	8/9/2002
lab_id	F14165-1
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	ValQual	QualCode
1-METHYLNAPHTHALENE	410	U	
2-METHYLNAPHTHALENE	410	U	
ACENAPHTHENE	810	U	
ACENAPHTHYLENE	810	U	
ANTHRACENE	410	U	
BENZO(A)ANTHRACENE	410	U	
BENZO(A)PYRENE	81	U	
BENZO(B)FLUORANTHENE	81	U	
BENZO(G,H,I)PERYLENE	81	U	
BENZO(K)FLUORANTHENE	81	U	
CHRYSENE	410	U	
DIBENZO(A,H)ANTHRACENE	81	U	
FLUORANTHENE	410	U	
FLUORENE	410	U	
INDENO(1,2,3-CD)PYRENE	81	U	
NAPHTHALENE	410	U	
PHENANTHRENE	410	U	
PYRENE	410	U	

nsample	CEF-293-SB48-06
samp_date	8/9/2002
lab_id	F14165-3
qc_type	NM
units	UG/KG
Pct_Solids	0
DUP_OF:	

Parameter	Result	ValQual	QualCode
1-METHYLNAPHTHALENE	380	U	
2-METHYLNAPHTHALENE	380	U	
ACENAPHTHENE	760	U	
ACENAPHTHYLENE	760	U	
ANTHRACENE	380	U	
BENZO(A)ANTHRACENE	380	U	
BENZO(A)PYRENE	76	U	
BENZO(B)FLUORANTHENE	76	U	
BENZO(G,H,I)PERYLENE	76	U	
BENZO(K)FLUORANTHENE	76	U	
CHRYSENE	380	U	
DIBENZO(A,H)ANTHRACENE	76	U	
FLUORANTHENE	380	U	
FLUORENE	380	U	
INDENO(1,2,3-CD)PYRENE	76	U	
NAPHTHALENE	380	U	
PHENANTHRENE	380	U	
PYRENE	380	U	

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SB49-05
samp_date	8/9/2002
lab_id	F14165-4
qc_type	NM
units	UG/KG
Pct_Solids	89.5
DUP_OF:	

Parameter	Result	ValQual	QualCode
1-METHYLNAPHTHALENE	360	U	
2-METHYLNAPHTHALENE	360	U	
ACENAPHTHENE	730	U	
ACENAPHTHYLENE	730	U	
ANTHRACENE	360	U	
BENZO(A)ANTHRACENE	360	U	
BENZO(A)PYRENE	73	U	
BENZO(B)FLUORANTHENE	73	U	
BENZO(G,H,I)PERYLENE	73	U	
BENZO(K)FLUORANTHENE	73	U	
CHRYSENE	360	U	
DIBENZO(A,H)ANTHRACENE	73	U	
FLUORANTHENE	360	U	
FLUORENE	360	U	
INDENO(1,2,3-CD)PYRENE	73	U	
NAPHTHALENE	360	U	
PHENANTHRENE	360	U	
PYRENE	360	U	

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SB37-06
samp_date	8/9/2002
lab_id	F14165-2
qc_type	NM
units	MG/KG
Pct_Solids	81.7
DUP_OF:	

Parameter	Result	ValQual	QualCode
TOTAL PETROLEUM HYDROC	10.1		

nsample	CEF-293-SB46-06
samp_date	8/9/2002
lab_id	F14165-1
qc_type	NM
units	MG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	ValQual	QualCode
TOTAL PETROLEUM HYDROC	141		

nsample	CEF-293-SB48-06
samp_date	8/9/2002
lab_id	F14165-3
qc_type	NM
units	MG/KG
Pct_Solids	84.5
DUP_OF:	

Parameter	Result	ValQual	QualCode
TOTAL PETROLEUM HYDROC	9.8	U	

PROJ_NO: 4248

SDG: F14165 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SB49-05
samp_date	8/9/2002
lab_id	F14165-4
qc_type	NM
units	MG/KG
Pct_Solids	89.5
DUP_OF:	

Parameter	Result	ValQual	QualCode
TOTAL PETROLEUM HYDROC	8.33	J	P

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB37-06		
Lab Sample ID:	F14165-2	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	SW846 8260B	**Percent Solids:**	81.7
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K009784.D	1	08/16/02	NAF	n/a	n/a	VK376
Run #2							

	Initial Weight
Run #1	4.67 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	6.6	ug/kg	
108-88-3	Toluene	ND	6.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	101%		72-133%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB46-06		
Lab Sample ID:	F14165-1	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	SW846 8260B	**Percent Solids:**	85.0
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K009783.D	1	08/16/02	NAF	n/a	n/a	VK376
Run #2							

	Initial Weight
Run #1	4.01 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	7.3	ug/kg	
108-88-3	Toluene	ND	7.3	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	ug/kg	
1330-20-7	Xylene (total)	ND	22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	102%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	105%		72-133%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB48-06		
Lab Sample ID:	F14165-3	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	SW846 8260B	**Percent Solids:**	84.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K009785.D	1	08/16/02	NAF	n/a	n/a	VK376
Run #2							

	Initial Weight
Run #1	4.60 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	6.4	ug/kg	
108-88-3	Toluene	ND	6.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	ug/kg	
1330-20-7	Xylene (total)	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	99%		77-133%
17060-07-0	1,2-Dichloroethane-D4	106%		72-133%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB49-05		
Lab Sample ID:	F14165-4	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	SW846 8260B	**Percent Solids:**	89.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K009804.D	1	08/20/02	NAF	n/a	n/a	VK378
Run #2							

	Initial Weight
Run #1	4.41 g
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	6.3	ug/kg	
108-88-3	Toluene	4.6	6.3	ug/kg	J
100-41-4	Ethylbenzene	ND	6.3	ug/kg	
1330-20-7	Xylene (total)	ND	19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	104%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	104%		72-133%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB37-06		
Lab Sample ID:	F14165-2	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	81.7
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA011736.D	1	08/20/02	MRE	08/15/02	OP5682	GAA545
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	830	ug/kg	
208-96-8	Acenaphthylene	ND	830	ug/kg	
120-12-7	Anthracene	ND	410	ug/kg	
56-55-3	Benzo(a)anthracene	ND	410	ug/kg	
50-32-8	Benzo(a)pyrene	ND	83	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	83	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	83	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	83	ug/kg	
218-01-9	Chrysene	ND	410	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	83	ug/kg	
206-44-0	Fluoranthene	ND	410	ug/kg	
86-73-7	Fluorene	ND	410	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	83	ug/kg	
91-20-3	Naphthalene	ND	410	ug/kg	
90-12-0	1-Methylnaphthalene	ND	410	ug/kg	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg	
85-01-8	Phenanthrene	ND	410	ug/kg	
129-00-0	Pyrene	ND	410	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		38-139%
92-94-4	p-Terphenyl	102%		46-149%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB46-06		
Lab Sample ID:	F14165-1	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	85.0
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA011735.D	1	08/20/02	MRE	08/15/02	OP5682	GAA545
Run #2							

	Initial Weight	Final Volume
Run #1	29.0 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	810	ug/kg	
208-96-8	Acenaphthylene	ND	810	ug/kg	
120-12-7	Anthracene	ND	410	ug/kg	
56-55-3	Benzo(a)anthracene	ND	410	ug/kg	
50-32-8	Benzo(a)pyrene	ND	81	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	81	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	81	ug/kg	
218-01-9	Chrysene	ND	410	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	81	ug/kg	
206-44-0	Fluoranthene	ND	410	ug/kg	
86-73-7	Fluorene	ND	410	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	81	ug/kg	
91-20-3	Naphthalene	ND	410	ug/kg	
90-12-0	1-Methylnaphthalene	ND	410	ug/kg	
91-57-6	2-Methylnaphthalene	ND	410	ug/kg	
85-01-8	Phenanthrene	ND	410	ug/kg	
129-00-0	Pyrene	ND	410	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		38-139%
92-94-4	p-Terphenyl	102%		46-149%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB48-06		
Lab Sample ID:	F14165-3	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA011737.D	1	08/20/02	MRE	08/15/02	OP5682	GAA545
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	760	ug/kg	
208-96-8	Acenaphthylene	ND	760	ug/kg	
120-12-7	Anthracene	ND	380	ug/kg	
56-55-3	Benzo(a)anthracene	ND	380	ug/kg	
50-32-8	Benzo(a)pyrene	ND	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	76	ug/kg	
218-01-9	Chrysene	ND	380	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	76	ug/kg	
206-44-0	Fluoranthene	ND	380	ug/kg	
86-73-7	Fluorene	ND	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	76	ug/kg	
91-20-3	Naphthalene	ND	380	ug/kg	
90-12-0	1-Methylnaphthalene	ND	380	ug/kg	
91-57-6	2-Methylnaphthalene	ND	380	ug/kg	
85-01-8	Phenanthrene	ND	380	ug/kg	
129-00-0	Pyrene	ND	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		38-139%
92-94-4	p-Terphenyl	100%		46-149%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB49-05		
Lab Sample ID:	F14165-4	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	89.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA011738.D	1	08/20/02	MRE	08/15/02	OP5682	GAA545
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	730	ug/kg	
208-96-8	Acenaphthylene	ND	730	ug/kg	
120-12-7	Anthracene	ND	360	ug/kg	
56-55-3	Benzo(a)anthracene	ND	360	ug/kg	
50-32-8	Benzo(a)pyrene	ND	73	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	73	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	73	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	73	ug/kg	
218-01-9	Chrysene	ND	360	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	73	ug/kg	
206-44-0	Fluoranthene	ND	360	ug/kg	
86-73-7	Fluorene	ND	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	73	ug/kg	
91-20-3	Naphthalene	ND	360	ug/kg	
90-12-0	1-Methylnaphthalene	ND	360	ug/kg	
91-57-6	2-Methylnaphthalene	ND	360	ug/kg	
85-01-8	Phenanthrene	ND	360	ug/kg	
129-00-0	Pyrene	ND	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		38-139%
92-94-4	p-Terphenyl	97%		46-149%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB37-06		
Lab Sample ID:	F14165-2	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.7
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP22872.D	1	08/17/02	ME	08/15/02	OP5683	GOP825
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	10.1	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		57-127%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB46-06		
Lab Sample ID:	F14165-1	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.0
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP22871.D	1	08/17/02	ME	08/15/02	OP5683	GOP825
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	141	9.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB48-06		
Lab Sample ID:	F14165-3	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP22873.D	1	08/17/02	ME	08/15/02	OP5683	GOP825
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	9.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SB49-05		
Lab Sample ID:	F14165-4	**Date Sampled:**	08/09/02
Matrix:	SO - Soil	**Date Received:**	08/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.5
Project:	NAS Cecil Field-CTO-248		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP22874.D	1	08/17/02	ME	08/15/02	OP5683	GOP825
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	8.33	9.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected
RL = Reporting 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

PHASE II LABORATORY ANALYTICAL DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**NOVEMBER 11, 2002**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/PAH/TPH CTO 078, NAS CECIL FIELD SDG F14953**		
SAMPLES:	14/Soil		

CEF-293-SU-101-04	CEF-293-SU-101-06	CEF-293-SU-103-04
CEF-293-SU-103-06	CEF-293-SU-104-04	CEF-293-SU-104-06
CEF-293-SU-105-04	CEF-293-SU-105-06	CEF-293-SU-106-04
CEF-293-SU-106-06	CEF-293-SU-110-04	CEF-293-SU-110-08
CEF-293-SU-115-04	CEF-293-SU-115-07	

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG F14953 consists of fourteen (14) environmental soil samples. All samples were analyzed for volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH), and total petroleum hydrocarbons (TPH) by SW-846 Methods 8260B and 8310 and Florida-PRO respectively.

The samples were collected by TetraTech NUS on October 7, 2002 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8310 and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial and continuing calibration
- * Laboratory method and field quality control blank results
- Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

Samples CEF-293-SU-106-06, CEF-293-SU-110-04, CEF-293-SU-110-08, and CEF-293-SU-115-07 were analyzed using a methanol extraction. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples. The laboratory's case narrative states that the samples were methanol extracted due to matrix interference, however, no other data was provided for the methanol extracted samples.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

PAH

Samples CEF-293-SU-106-06, CEF-293-SU-110-08, and CEF-293-SU-115-07 were analyzed at a 5X dilution. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples. The laboratory's case narrative states that samples CEF-293-SU-110-08, and CEF-293-SU-115-07 were diluted due to matrix interference, but no data for the undiluted analyses were provided.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

TPH

Surrogate o-terphenyl had 0% recovery in samples CEF-293-SU-106-04, CEF-293-SU-110-08, and CEF-293-SU-115-07. No qualifications were assigned on this basis because the samples were all analyzed at dilutions.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-101-04
samp_date	10/7/2002
lab_id	F14953-1
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.6	U	
1,1,2,2-TETRACHLOROETHANE	6.6	U	
1,1,2-TRICHLOROETHANE	6.6	U	
1,1-DICHLOROETHANE	6.6	U	
1,1-DICHLOROETHENE	6.6	U	
1,2-DICHLOROETHANE	6.6	U	
1,2-DICHLOROPROPANE	6.6	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	66	U	
BENZENE	6.6	U	
BROMODICHLOROMETHANE	6.6	U	
BROMOFORM	6.6	U	
BROMOMETHANE	6.6	U	
CARBON DISULFIDE	6.6	U	
CARBON TETRACHLORIDE	6.6	U	
CHLOROBENZENE	6.6	U	
CHLORODIBROMOMETHANE	6.6	U	
CHLOROETHANE	6.6	U	
CHLOROFORM	6.6	U	
CHLOROMETHANE	6.6	U	
CIS-1,2-DICHLOROETHENE	6.6	U	
CIS-1,3-DICHLOROPROPENE	6.6	U	
ETHYLBENZENE	6.6	U	
METHYL TERT-BUTYL ETHER	6.6	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.6	U	
TETRACHLOROETHENE	6.6	U	
TOLUENE	6.6	U	

nsample	CEF-293-SU-101-04
samp_date	10/7/2002
lab_id	F14953-1
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.6	U	
TRANS-1,3-DICHLOROPROPENE	6.6	U	
TRICHLOROETHENE	6.6	U	
VINYL CHLORIDE	6.6	U	

nsample	CEF-293-SU-101-06
samp_date	10/7/2002
lab_id	F14953-2
qc_type	NM
units	UG/KG
Pct_Solids	77.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.8	U	
1,1,2,2-TETRACHLOROETHANE	5.8	U	
1,1,2-TRICHLOROETHANE	5.8	U	
1,1-DICHLOROETHANE	5.8	U	
1,1-DICHLOROETHENE	5.8	U	
1,2-DICHLOROETHANE	5.8	U	
1,2-DICHLOROPROPANE	5.8	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	13	J	P
BENZENE	5.8	U	
BROMODICHLOROMETHANE	5.8	U	
BROMOFORM	5.8	U	
BROMOMETHANE	5.8	U	
CARBON DISULFIDE	5.8	U	
CARBON TETRACHLORIDE	5.8	U	
CHLOROBENZENE	5.8	U	
CHLORODIBROMOMETHANE	5.8	U	
CHLOROETHANE	5.8	U	
CHLOROFORM	5.8	U	
CHLOROMETHANE	5.8	U	
CIS-1,2-DICHLOROETHENE	5.8	U	
CIS-1,3-DICHLOROPROPENE	5.8	U	
ETHYLBENZENE	5.8	U	
METHYL TERT-BUTYL ETHER	5.8	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.8	U	
TETRACHLOROETHENE	5.8	U	
TOLUENE	5.8	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-101-06
samp_date	10/7/2002
lab_id	F14953-2
qc_type	NM
units	UG/KG
Pct_Solids	77.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.8	U	
TRANS-1,3-DICHLOROPROPENE	5.8	U	
TRICHLOROETHENE	5.8	U	
VINYL CHLORIDE	5.8	U	

nsample	CEF-293-SU-103-04
samp_date	10/7/2002
lab_id	F14953-3
qc_type	NM
units	UG/KG
Pct_Solids	74.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-103-04
samp_date	10/7/2002
lab_id	F14953-3
qc_type	NM
units	UG/KG
Pct_Solids	74.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-103-06
samp_date	10/7/2002
lab_id	F14953-4
qc_type	NM
units	UG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	24.8	J	P
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

nsample	CEF-293-SU-103-06
samp_date	10/7/2002
lab_id	F14953-4
qc_type	NM
units	UG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

nsample	CEF-293-SU-104-04
samp_date	10/7/2002
lab_id	F14953-5
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6	U	
1,1,2,2-TETRACHLOROETHANE	6	U	
1,1,2-TRICHLOROETHANE	6	U	
1,1-DICHLOROETHANE	6	U	
1,1-DICHLOROETHENE	6	U	
1,2-DICHLOROETHANE	6	U	
1,2-DICHLOROPROPANE	6	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	60	U	
BENZENE	6	U	
BROMODICHLOROMETHANE	6	U	
BROMOFORM	6	U	
BROMOMETHANE	6	U	
CARBON DISULFIDE	6	U	
CARBON TETRACHLORIDE	6	U	
CHLOROBENZENE	6	U	
CHLORODIBROMOMETHANE	6	U	
CHLOROETHANE	6	U	
CHLOROFORM	6	U	
CHLOROMETHANE	6	U	
CIS-1,2-DICHLOROETHENE	6	U	
CIS-1,3-DICHLOROPROPENE	6	U	
ETHYLBENZENE	6	U	
METHYL TERT-BUTYL ETHER	6	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6	U	
TETRACHLOROETHENE	6	U	
TOLUENE	6	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-104-04
samp_date	10/7/2002
lab_id	F14953-5
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6	U	
TRANS-1,3-DICHLOROPROPENE	6	U	
TRICHLOROETHENE	6	U	
VINYL CHLORIDE	6	U	

nsample	CEF-293-SU-104-06
samp_date	10/7/2002
lab_id	F14953-6
qc_type	NM
units	UG/KG
Pct_Solids	84.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	65	U	
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

nsample	CEF-293-SU-104-06
samp_date	10/7/2002
lab_id	F14953-6
qc_type	NM
units	UG/KG
Pct_Solids	84.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-105-04
samp_date	10/7/2002
lab_id	F14953-7
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	57	U	
BENZENE	5.7	U	
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	5.7	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	5.7	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	5.7	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	5.7	U	
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.7	U	
TETRACHLOROETHENE	5.7	U	
TOLUENE	5.7	U	

nsample	CEF-293-SU-105-04
samp_date	10/7/2002
lab_id	F14953-7
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	5.7	U	

nsample	CEF-293-SU-105-06
samp_date	10/7/2002
lab_id	F14953-8
qc_type	NM
units	UG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	65	U	
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-105-06
samp_date	10/7/2002
lab_id	F14953-8
qc_type	NM
units	UG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

nsample	CEF-293-SU-106-04
samp_date	10/7/2002
lab_id	F14953-9
qc_type	NM
units	UG/KG
Pct_Solids	86.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.5	U	
1,1,2,2-TETRACHLOROETHANE	5.5	U	
1,1,2-TRICHLOROETHANE	5.5	U	
1,1-DICHLOROETHANE	5.5	U	
1,1-DICHLOROETHENE	5.5	U	
1,2-DICHLOROETHANE	5.5	U	
1,2-DICHLOROPROPANE	5.5	U	
2-BUTANONE	28	U	
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	119		
BENZENE	5.5	U	
BROMODICHLOROMETHANE	5.5	U	
BROMOFORM	5.5	U	
BROMOMETHANE	5.5	U	
CARBON DISULFIDE	5.5	U	
CARBON TETRACHLORIDE	5.5	U	
CHLOROBENZENE	5.5	U	
CHLORODIBROMOMETHANE	5.5	U	
CHLOROETHANE	5.5	U	
CHLOROFORM	5.5	U	
CHLOROMETHANE	5.5	U	
CIS-1,2-DICHLOROETHENE	5.5	U	
CIS-1,3-DICHLOROPROPENE	5.5	U	
ETHYLBENZENE	5.5	U	
METHYL TERT-BUTYL ETHER	5.5	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.5	U	
TETRACHLOROETHENE	5.5	U	
TOLUENE	5.5	U	

nsample	CEF-293-SU-106-04
samp_date	10/7/2002
lab_id	F14953-9
qc_type	NM
units	UG/KG
Pct_Solids	86.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.5	U	
TRANS-1,3-DICHLOROPROPENE	5.5	U	
TRICHLOROETHENE	5.5	U	
VINYL CHLORIDE	5.5	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-106-06
samp_date	10/7/2002
lab_id	F14953-10
qc_type	NM
units	UG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	3400	U	
1,1,2,2-TETRACHLOROETHANE	3400	U	
1,1,2-TRICHLOROETHANE	3400	U	
1,1-DICHLOROETHANE	3400	U	
1,1-DICHLOROETHENE	3400	U	
1,2-DICHLOROETHANE	3400	U	
1,2-DICHLOROPROPANE	3400	U	
2-BUTANONE	17000	U	
2-HEXANONE	17000	U	
4-METHYL-2-PENTANONE	17000	U	
ACETONE	34000	U	
BENZENE	3400	U	
BROMODICHLOROMETHANE	3400	U	
BROMOFORM	3400	U	
BROMOMETHANE	3400	U	
CARBON DISULFIDE	3400	U	
CARBON TETRACHLORIDE	3400	U	
CHLOROBENZENE	3400	U	
CHLORODIBROMOMETHANE	3400	U	
CHLOROETHANE	3400	U	
CHLOROFORM	3400	U	
CHLOROMETHANE	3400	U	
CIS-1,2-DICHLOROETHENE	3400	U	
CIS-1,3-DICHLOROPROPENE	3400	U	
ETHYLBENZENE	3400	U	
METHYL TERT-BUTYL ETHER	3400	U	
METHYLENE CHLORIDE	6700	U	
STYRENE	3400	U	
TETRACHLOROETHENE	3400	U	
TOLUENE	3400	U	

nsample	CEF-293-SU-106-06
samp_date	10/7/2002
lab_id	F14953-10
qc_type	NM
units	UG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	10000	U	
TRANS-1,2-DICHLOROETHENE	3400	U	
TRANS-1,3-DICHLOROPROPENE	3400	U	
TRICHLOROETHENE	3400	U	
VINYL CHLORIDE	3400	U	

nsample	CEF-293-SU-110-04
samp_date	10/7/2002
lab_id	F14953-11
qc_type	NM
units	UG/KG
Pct_Solids	90.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	310	U	
1,1,2,2-TETRACHLOROETHANE	310	U	
1,1,2-TRICHLOROETHANE	310	U	
1,1-DICHLOROETHANE	310	U	
1,1-DICHLOROETHENE	310	U	
1,2-DICHLOROETHANE	310	U	
1,2-DICHLOROPROPANE	310	U	
2-BUTANONE	1600	U	
2-HEXANONE	1600	U	
4-METHYL-2-PENTANONE	1600	U	
ACETONE	3100	U	
BENZENE	310	U	
BROMODICHLOROMETHANE	310	U	
BROMOFORM	310	U	
BROMOMETHANE	310	U	
CARBON DISULFIDE	310	U	
CARBON TETRACHLORIDE	310	U	
CHLOROBENZENE	310	U	
CHLORODIBROMOMETHANE	310	U	
CHLOROETHANE	310	U	
CHLOROFORM	310	U	
CHLOROMETHANE	310	U	
CIS-1,2-DICHLOROETHENE	310	U	
CIS-1,3-DICHLOROPROPENE	310	U	
ETHYLBENZENE	310	U	
METHYL TERT-BUTYL ETHER	310	U	
METHYLENE CHLORIDE	630	U	
STYRENE	310	U	
TETRACHLOROETHENE	310	U	
TOLUENE	310	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-110-04
samp_date	10/7/2002
lab_id	F14953-11
qc_type	NM
units	UG/KG
Pct_Solids	90.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	940	U	
TRANS-1,2-DICHLOROETHENE	310	U	
TRANS-1,3-DICHLOROPROPENE	310	U	
TRICHLOROETHENE	310	U	
VINYL CHLORIDE	310	U	

nsample	CEF-293-SU-110-08
samp_date	10/7/2002
lab_id	F14953-12
qc_type	NM
units	UG/KG
Pct_Solids	82.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	3300	U	
1,1,2,2-TETRACHLOROETHANE	3300	U	
1,1,2-TRICHLOROETHANE	3300	U	
1,1-DICHLOROETHANE	3300	U	
1,1-DICHLOROETHENE	3300	U	
1,2-DICHLOROETHANE	3300	U	
1,2-DICHLOROPROPANE	3300	U	
2-BUTANONE	17000	U	
2-HEXANONE	17000	U	
4-METHYL-2-PENTANONE	17000	U	
ACETONE	33000	U	
BENZENE	3300	U	
BROMODICHLOROMETHANE	3300	U	
BROMOFORM	3300	U	
BROMOMETHANE	3300	U	
CARBON DISULFIDE	3300	U	
CARBON TETRACHLORIDE	3300	U	
CHLOROBENZENE	3300	U	
CHLORODIBROMOMETHANE	3300	U	
CHLOROETHANE	3300	U	
CHLOROFORM	3300	U	
CHLOROMETHANE	3300	U	
CIS-1,2-DICHLOROETHENE	3300	U	
CIS-1,3-DICHLOROPROPENE	3300	U	
ETHYLBENZENE	3300	U	
METHYL TERT-BUTYL ETHER	3300	U	
METHYLENE CHLORIDE	6700	U	
STYRENE	3300	U	
TETRACHLOROETHENE	3300	U	
TOLUENE	3300	U	

nsample	CEF-293-SU-110-08
samp_date	10/7/2002
lab_id	F14953-12
qc_type	NM
units	UG/KG
Pct_Solids	82.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	7220	J	P
TRANS-1,2-DICHLOROETHENE	3300	U	
TRANS-1,3-DICHLOROPROPENE	3300	U	
TRICHLOROETHENE	3300	U	
VINYL CHLORIDE	3300	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-115-04
samp_date	10/7/2002
lab_id	F14953-13
qc_type	NM
units	UG/KG
Pct_Solids	95.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	64	U	
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

nsample	CEF-293-SU-115-04
samp_date	10/7/2002
lab_id	F14953-13
qc_type	NM
units	UG/KG
Pct_Solids	95.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

nsample	CEF-293-SU-115-07
samp_date	10/7/2002
lab_id	F14953-14
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	3800	U	
1,1,2,2-TETRACHLOROETHANE	3800	U	
1,1,2-TRICHLOROETHANE	3800	U	
1,1-DICHLOROETHANE	3800	U	
1,1-DICHLOROETHENE	3800	U	
1,2-DICHLOROETHANE	3800	U	
1,2-DICHLOROPROPANE	3800	U	
2-BUTANONE	19000	U	
2-HEXANONE	19000	U	
4-METHYL-2-PENTANONE	19000	U	
ACETONE	38000	U	
BENZENE	3800	U	
BROMODICHLOROMETHANE	3800	U	
BROMOFORM	3800	U	
BROMOMETHANE	3800	U	
CARBON DISULFIDE	3800	U	
CARBON TETRACHLORIDE	3800	U	
CHLOROBENZENE	3800	U	
CHLORODIBROMOMETHANE	3800	U	
CHLOROETHANE	3800	U	
CHLOROFORM	3800	U	
CHLOROMETHANE	3800	U	
CIS-1,2-DICHLOROETHENE	3800	U	
CIS-1,3-DICHLOROPROPENE	3800	U	
ETHYLBENZENE	3800	U	
METHYL TERT-BUTYL ETHER	3800	U	
METHYLENE CHLORIDE	7600	U	
STYRENE	3800	U	
TETRACHLOROETHENE	3800	U	
TOLUENE	3800	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-115-07
samp_date	10/7/2002
lab_id	F14953-14
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	11000	U	
TRANS-1,2-DICHLOROETHENE	3800	U	
TRANS-1,3-DICHLOROPROPENE	3800	U	
TRICHLOROETHENE	3800	U	
VINYL CHLORIDE	3800	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-101-04	nsample	CEF-293-SU-101-06	nsample	CEF-293-SU-103-04
samp_date	10/7/2002	samp_date	10/7/2002	samp_date	10/7/2002
lab_id	F14953-1	lab_id	F14953-2	lab_id	F14953-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	82.7	Pct_Solids	77.3	Pct_Solids	74.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	810	U	
ACENAPHTHYLENE	810	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	81	U	
BENZO(B)FLUORANTHENE	81	U	
BENZO(G,H,I)PERYLENE	81	U	
BENZO(K)FLUORANTHENE	81	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	81	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	81	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	440	U	
2-METHYLNAPHTHALENE	440	U	
ACENAPHTHENE	880	U	
ACENAPHTHYLENE	880	U	
ANTHRACENE	440	U	
BENZO(A)ANTHRACENE	440	U	
BENZO(A)PYRENE	88	U	
BENZO(B)FLUORANTHENE	88	U	
BENZO(G,H,I)PERYLENE	88	U	
BENZO(K)FLUORANTHENE	88	U	
CHRYSENE	440	U	
DIBENZO(A,H)ANTHRACENE	88	U	
FLUORANTHENE	440	U	
FLUORENE	440	U	
INDENO(1,2,3-CD)PYRENE	88	U	
NAPHTHALENE	440	U	
PHENANTHRENE	440	U	
PYRENE	440	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	460	U	
2-METHYLNAPHTHALENE	460	U	
ACENAPHTHENE	920	U	
ACENAPHTHYLENE	920	U	
ANTHRACENE	460	U	
BENZO(A)ANTHRACENE	460	U	
BENZO(A)PYRENE	92	U	
BENZO(B)FLUORANTHENE	92	U	
BENZO(G,H,I)PERYLENE	92	U	
BENZO(K)FLUORANTHENE	92	U	
CHRYSENE	460	U	
DIBENZO(A,H)ANTHRACENE	92	U	
FLUORANTHENE	460	U	
FLUORENE	460	U	
INDENO(1,2,3-CD)PYRENE	92	U	
NAPHTHALENE	460	U	
PHENANTHRENE	460	U	
PYRENE	460	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-103-06
samp_date	10/7/2002
lab_id	F14953-4
qc_type	NM
units	UG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	800	U	
ACENAPHTHYLENE	800	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

nsample	CEF-293-SU-104-04
samp_date	10/7/2002
lab_id	F14953-5
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	800	U	
ACENAPHTHYLENE	800	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

nsample	CEF-293-SU-104-06
samp_date	10/7/2002
lab_id	F14953-6
qc_type	NM
units	UG/KG
Pct_Solids	84.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	800	U	
ACENAPHTHYLENE	800	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-105-04
samp_date	10/7/2002
lab_id	F14953-7
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	360	U	
2-METHYLNAPHTHALENE	360	U	
ACENAPHTHENE	710	U	
ACENAPHTHYLENE	710	U	
ANTHRACENE	360	U	
BENZO(A)ANTHRACENE	360	U	
BENZO(A)PYRENE	71	U	
BENZO(B)FLUORANTHENE	71	U	
BENZO(G,H,I)PERYLENE	71	U	
BENZO(K)FLUORANTHENE	71	U	
CHRYSENE	360	U	
DIBENZO(A,H)ANTHRACENE	71	U	
FLUORANTHENE	360	U	
FLUORENE	360	U	
INDENO(1,2,3-CD)PYRENE	71	U	
NAPHTHALENE	360	U	
PHENANTHRENE	360	U	
PYRENE	360	U	

nsample	CEF-293-SU-105-06
samp_date	10/7/2002
lab_id	F14953-8
qc_type	NM
units	UG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	800	U	
ACENAPHTHYLENE	800	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

nsample	CEF-293-SU-106-04
samp_date	10/7/2002
lab_id	F14953-9
qc_type	NM
units	UG/KG
Pct_Solids	86.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	400	U	
2-METHYLNAPHTHALENE	400	U	
ACENAPHTHENE	790	U	
ACENAPHTHYLENE	790	U	
ANTHRACENE	400	U	
BENZO(A)ANTHRACENE	400	U	
BENZO(A)PYRENE	79	U	
BENZO(B)FLUORANTHENE	79	U	
BENZO(G,H,I)PERYLENE	79	U	
BENZO(K)FLUORANTHENE	79	U	
CHRYSENE	400	U	
DIBENZO(A,H)ANTHRACENE	79	U	
FLUORANTHENE	400	U	
FLUORENE	400	U	
INDENO(1,2,3-CD)PYRENE	79	U	
NAPHTHALENE	400	U	
PHENANTHRENE	400	U	
PYRENE	400	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-106-06	nsample	CEF-293-SU-110-04	nsample	CEF-293-SU-110-08
samp_date	10/7/2002	samp_date	10/7/2002	samp_date	10/7/2002
lab_id	F14953-10	lab_id	F14953-11	lab_id	F14953-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89.1	Pct_Solids	90.2	Pct_Solids	82.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1420	J	P
2-METHYLNAPHTHALENE	1900	U	
ACENAPHTHENE	3800	U	
ACENAPHTHYLENE	3800	U	
ANTHRACENE	1900	U	
BENZO(A)ANTHRACENE	1900	U	
BENZO(A)PYRENE	380	U	
BENZO(B)FLUORANTHENE	380	U	
BENZO(G,H,I)PERYLENE	380	U	
BENZO(K)FLUORANTHENE	380	U	
CHRYSENE	1900	U	
DIBENZO(A,H)ANTHRACENE	380	U	
FLUORANTHENE	1900	U	
FLUORENE	1900	U	
INDENO(1,2,3-CD)PYRENE	380	U	
NAPHTHALENE	1900	U	
PHENANTHRENE	1900	U	
PYRENE	1900	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	370	U	
2-METHYLNAPHTHALENE	370	U	
ACENAPHTHENE	730	U	
ACENAPHTHYLENE	730	U	
ANTHRACENE	370	U	
BENZO(A)ANTHRACENE	370	U	
BENZO(A)PYRENE	73	U	
BENZO(B)FLUORANTHENE	73	U	
BENZO(G,H,I)PERYLENE	73	U	
BENZO(K)FLUORANTHENE	73	U	
CHRYSENE	370	U	
DIBENZO(A,H)ANTHRACENE	73	U	
FLUORANTHENE	370	U	
FLUORENE	370	U	
INDENO(1,2,3-CD)PYRENE	73	U	
NAPHTHALENE	370	U	
PHENANTHRENE	370	U	
PYRENE	370	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1860	J	P
2-METHYLNAPHTHALENE	2000	U	
ACENAPHTHENE	8000	U	
ACENAPHTHYLENE	4000	U	
ANTHRACENE	2000	U	
BENZO(A)ANTHRACENE	2000	U	
BENZO(A)PYRENE	332	J	P
BENZO(B)FLUORANTHENE	141	J	P
BENZO(G,H,I)PERYLENE	103	J	P
BENZO(K)FLUORANTHENE	156	J	P
CHRYSENE	2000	U	
DIBENZO(A,H)ANTHRACENE	400	U	
FLUORANTHENE	2000	U	
FLUORENE	2000	U	
INDENO(1,2,3-CD)PYRENE	173	J	P
NAPHTHALENE	2000	U	
PHENANTHRENE	2000	U	
PYRENE	2000	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-115-04	nsample	CEF-293-SU-115-07
samp_date	10/7/2002	samp_date	10/7/2002
lab_id	F14953-13	lab_id	F14953-14
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	95.6	Pct_Solids	95.4
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	340	U	
2-METHYLNAPHTHALENE	340	U	
ACENAPHTHENE	670	U	
ACENAPHTHYLENE	670	U	
ANTHRACENE	340	U	
BENZO(A)ANTHRACENE	340	U	
BENZO(A)PYRENE	67	U	
BENZO(B)FLUORANTHENE	67	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	67	U	
CHRYSENE	340	U	
DIBENZO(A,H)ANTHRACENE	67	U	
FLUORANTHENE	340	U	
FLUORENE	340	U	
INDENO(1,2,3-CD)PYRENE	67	U	
NAPHTHALENE	340	U	
PHENANTHRENE	340	U	
PYRENE	340	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	10200		
2-METHYLNAPHTHALENE	4980		
ACENAPHTHENE	7000	U	
ACENAPHTHYLENE	3500	U	
ANTHRACENE	1800	U	
BENZO(A)ANTHRACENE	1800	U	
BENZO(A)PYRENE	350	U	
BENZO(B)FLUORANTHENE	350	U	
BENZO(G,H,I)PERYLENE	350	U	
BENZO(K)FLUORANTHENE	350	U	
CHRYSENE	1800	U	
DIBENZO(A,H)ANTHRACENE	350	U	
FLUORANTHENE	1800	U	
FLUORENE	1800	U	
INDENO(1,2,3-CD)PYRENE	350	U	
NAPHTHALENE	520	J	P
PHENANTHRENE	1800	U	
PYRENE	1800	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-101-04
samp_date	10/7/2002
lab_id	F14953-1
qc_type	NM
units	MG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.9	U	

nsample	CEF-293-SU-101-06
samp_date	10/7/2002
lab_id	F14953-2
qc_type	NM
units	MG/KG
Pct_Solids	77.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.56	J	P

nsample	CEF-293-SU-103-04
samp_date	10/7/2002
lab_id	F14953-3
qc_type	NM
units	MG/KG
Pct_Solids	74.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-103-06
samp_date	10/7/2002
lab_id	F14953-4
qc_type	NM
units	MG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10	U	

nsample	CEF-293-SU-104-04
samp_date	10/7/2002
lab_id	F14953-5
qc_type	NM
units	MG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10	U	

nsample	CEF-293-SU-104-06
samp_date	10/7/2002
lab_id	F14953-6
qc_type	NM
units	MG/KG
Pct_Solids	84.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.7	U	

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-105-04
samp_date	10/7/2002
lab_id	F14953-7
qc_type	NM
units	MG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.7	U	

nsample	CEF-293-SU-105-06
samp_date	10/7/2002
lab_id	F14953-8
qc_type	NM
units	MG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10	U	

nsample	CEF-293-SU-106-04
samp_date	10/7/2002
lab_id	F14953-9
qc_type	NM
units	MG/KG
Pct_Solids	86.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.46	J	P

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-106-06
samp_date	10/7/2002
lab_id	F14953-10
qc_type	NM
units	MG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	15300		

nsample	CEF-293-SU-110-04
samp_date	10/7/2002
lab_id	F14953-11
qc_type	NM
units	MG/KG
Pct_Solids	90.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	536		

nsample	CEF-293-SU-110-08
samp_date	10/7/2002
lab_id	F14953-12
qc_type	NM
units	MG/KG
Pct_Solids	82.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	20300		

PROJ_NO: 0039

SDG: F14953 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-115-04
samp_date	10/7/2002
lab_id	F14953-13
qc_type	NM
units	MG/KG
Pct_Solids	95.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	24.3		

nsample	CEF-293-SU-115-07
samp_date	10/7/2002
lab_id	F14953-14
qc_type	NM
units	MG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	13500		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-04		
Lab Sample ID:	F14953-1	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010605.D	1	10/14/02	NAF	n/a	n/a	VK421
Run #2							

	Initial Weight
Run #1	4.55 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	13	ug/kg	
71-43-2	Benzene	ND	6.6	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	2.7	ug/kg	
75-25-2	Bromoform	ND	6.6	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.6	4.0	ug/kg	
67-66-3	Chloroform	ND	6.6	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	2.7	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.6	2.7	ug/kg	
100-42-5	Styrene	ND	6.6	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	2.7	ug/kg	
108-88-3	Toluene	ND	6.6	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-101-04		
Lab Sample ID:	F14953-1	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.6	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	88%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-06		
Lab Sample ID:	F14953-2	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	77.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010612.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	5.55 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.0	58	12	ug/kg	J
71-43-2	Benzene	ND	5.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	2.3	ug/kg	
75-25-2	Bromoform	ND	5.8	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.5	ug/kg	
67-66-3	Chloroform	ND	5.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.8	2.3	ug/kg	
100-42-5	Styrene	ND	5.8	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	2.3	ug/kg	
108-88-3	Toluene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-101-06		
Lab Sample ID:	F14953-2	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	77.3
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.8	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-04		
Lab Sample ID:	F14953-3	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	74.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010613.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	5.55 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-103-04		
Lab Sample ID:	F14953-3	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	74.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	100%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-06		
Lab Sample ID:	F14953-4	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010614.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	4.56 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.8	64	13	ug/kg	J
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.9	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-06		
Lab Sample ID:	F14953-4	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	99%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-04		
Lab Sample ID:	F14953-5	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010615.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	4.99 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	60	12	ug/kg	
71-43-2	Benzene	ND	6.0	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	2.4	ug/kg	
75-25-2	Bromoform	ND	6.0	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.0	3.6	ug/kg	
67-66-3	Chloroform	ND	6.0	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.0	2.4	ug/kg	
100-42-5	Styrene	ND	6.0	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	2.4	ug/kg	
108-88-3	Toluene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-104-04		
Lab Sample ID:	F14953-5	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.0	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	96%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	98%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-06		
Lab Sample ID:	F14953-6	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	84.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010618.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	4.57 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	13	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-104-06		
Lab Sample ID:	F14953-6	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	84.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-04		
Lab Sample ID:	F14953-7	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010619.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	4.73 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	11	ug/kg	
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.7	2.3	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-105-04		
Lab Sample ID:	F14953-7	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	98%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-06		
Lab Sample ID:	F14953-8	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010620.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	4.57 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	13	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-105-06		
Lab Sample ID:	F14953-8	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	96%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-04		
Lab Sample ID:	F14953-9	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010621.D	1	10/15/02	NAF	n/a	n/a	VK422
Run #2							

	Initial Weight
Run #1	5.20 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	119	55	11	ug/kg	
71-43-2	Benzene	ND	5.5	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	2.2	ug/kg	
75-25-2	Bromoform	ND	5.5	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	2.2	ug/kg	
75-00-3	Chloroethane	ND	5.5	3.3	ug/kg	
67-66-3	Chloroform	ND	5.5	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	2.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	2.2	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.2	ug/kg	
75-09-2	Methylene chloride	ND	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.5	2.2	ug/kg	
100-42-5	Styrene	ND	5.5	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	2.2	ug/kg	
108-88-3	Toluene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-04		
Lab Sample ID:	F14953-9	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	86.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.5	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	110%		77-133%
17060-07-0	1,2-Dichloroethane-D4	102%		72-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-06		
Lab Sample ID:	F14953-10	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K010643.D	1	10/16/02	NAF	n/a	n/a	VK423
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.17 g	5.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	34000	6700	ug/kg	
71-43-2	Benzene	ND	3400	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	3400	1300	ug/kg	
75-25-2	Bromoform	ND	3400	1300	ug/kg	
108-90-7	Chlorobenzene	ND	3400	1300	ug/kg	
75-00-3	Chloroethane	ND	3400	2000	ug/kg	
67-66-3	Chloroform	ND	3400	1300	ug/kg	
75-15-0	Carbon disulfide	ND	3400	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	3400	1300	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3400	1300	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3400	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3400	1300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3400	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	3400	1300	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3400	1300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3400	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3400	1300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3400	1300	ug/kg	
100-41-4	Ethylbenzene	ND	3400	1300	ug/kg	
591-78-6	2-Hexanone	ND	17000	6700	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17000	6700	ug/kg	
74-83-9	Methyl bromide	ND	3400	1300	ug/kg	
74-87-3	Methyl chloride	ND	3400	1300	ug/kg	
75-09-2	Methylene chloride	ND	6700	3400	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17000	6700	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	3400	1300	ug/kg	
100-42-5	Styrene	ND	3400	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3400	1300	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3400	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3400	1300	ug/kg	
127-18-4	Tetrachloroethylene	ND	3400	1300	ug/kg	
108-88-3	Toluene	ND	3400	1300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-106-06		
Lab Sample ID:	F14953-10	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	3400	1300	ug/kg	
75-01-4	Vinyl chloride	ND	3400	1300	ug/kg	
1330-20-7	Xylene (total)	ND	10000	2700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	100%		77-133%
17060-07-0	1,2-Dichloroethane-D4	100%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-04		
Lab Sample ID:	F14953-11	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	90.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K010644.D	1	10/16/02	NAF	n/a	n/a	VK423
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.41 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	630	ug/kg	
71-43-2	Benzene	ND	310	130	ug/kg	
75-27-4	Bromodichloromethane	ND	310	130	ug/kg	
75-25-2	Bromoform	ND	310	130	ug/kg	
108-90-7	Chlorobenzene	ND	310	130	ug/kg	
75-00-3	Chloroethane	ND	310	190	ug/kg	
67-66-3	Chloroform	ND	310	130	ug/kg	
75-15-0	Carbon disulfide	ND	310	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	130	ug/kg	
124-48-1	Dibromochloromethane	ND	310	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	310	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	130	ug/kg	
100-41-4	Ethylbenzene	ND	310	130	ug/kg	
591-78-6	2-Hexanone	ND	1600	630	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	630	ug/kg	
74-83-9	Methyl bromide	ND	310	130	ug/kg	
74-87-3	Methyl chloride	ND	310	130	ug/kg	
75-09-2	Methylene chloride	ND	630	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	630	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	310	130	ug/kg	
100-42-5	Styrene	ND	310	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	310	130	ug/kg	
108-88-3	Toluene	ND	310	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-110-04		
Lab Sample ID:	F14953-11	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	90.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	310	130	ug/kg	
75-01-4	Vinyl chloride	ND	310	130	ug/kg	
1330-20-7	Xylene (total)	ND	940	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	96%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-08		
Lab Sample ID:	F14953-12	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K010645.D	1	10/16/02	NAF	n/a	n/a	VK423
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.57 g	5.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	33000	6700	ug/kg	
71-43-2	Benzene	ND	3300	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	3300	1300	ug/kg	
75-25-2	Bromoform	ND	3300	1300	ug/kg	
108-90-7	Chlorobenzene	ND	3300	1300	ug/kg	
75-00-3	Chloroethane	ND	3300	2000	ug/kg	
67-66-3	Chloroform	ND	3300	1300	ug/kg	
75-15-0	Carbon disulfide	ND	3300	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	3300	1300	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3300	1300	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3300	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3300	1300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3300	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	3300	1300	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3300	1300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3300	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3300	1300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3300	1300	ug/kg	
100-41-4	Ethylbenzene	ND	3300	1300	ug/kg	
591-78-6	2-Hexanone	ND	17000	6700	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17000	6700	ug/kg	
74-83-9	Methyl bromide	ND	3300	1300	ug/kg	
74-87-3	Methyl chloride	ND	3300	1300	ug/kg	
75-09-2	Methylene chloride	ND	6700	3300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17000	6700	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	3300	1300	ug/kg	
100-42-5	Styrene	ND	3300	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3300	1300	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3300	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3300	1300	ug/kg	
127-18-4	Tetrachloroethylene	ND	3300	1300	ug/kg	
108-88-3	Toluene	ND	3300	1300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-110-08		
Lab Sample ID:	F14953-12	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	3300	1300	ug/kg	
75-01-4	Vinyl chloride	ND	3300	1300	ug/kg	
1330-20-7	Xylene (total)	7220	10000	2700	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	99%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-04		
Lab Sample ID:	F14953-13	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	95.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K010635.D	1	10/16/02	NAF	n/a	n/a	VK423
Run #2							

	Initial Weight
Run #1	4.11 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.5	ug/kg	
75-25-2	Bromoform	ND	6.4	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.8	ug/kg	
67-66-3	Chloroform	ND	6.4	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.5	ug/kg	
100-42-5	Styrene	ND	6.4	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.5	ug/kg	
108-88-3	Toluene	ND	6.4	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-115-04		
Lab Sample ID:	F14953-13	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	95.6
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-07		
Lab Sample ID:	F14953-14	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K010646.D	1	10/16/02	NAF	n/a	n/a	VK423
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.44 g	5.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	38000	7600	ug/kg	
71-43-2	Benzene	ND	3800	1500	ug/kg	
75-27-4	Bromodichloromethane	ND	3800	1500	ug/kg	
75-25-2	Bromoform	ND	3800	1500	ug/kg	
108-90-7	Chlorobenzene	ND	3800	1500	ug/kg	
75-00-3	Chloroethane	ND	3800	2300	ug/kg	
67-66-3	Chloroform	ND	3800	1500	ug/kg	
75-15-0	Carbon disulfide	ND	3800	1500	ug/kg	
56-23-5	Carbon tetrachloride	ND	3800	1500	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3800	1500	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3800	1500	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3800	1500	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3800	1500	ug/kg	
124-48-1	Dibromochloromethane	ND	3800	1500	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3800	1500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3800	1500	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3800	1500	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3800	1500	ug/kg	
100-41-4	Ethylbenzene	ND	3800	1500	ug/kg	
591-78-6	2-Hexanone	ND	19000	7600	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19000	7600	ug/kg	
74-83-9	Methyl bromide	ND	3800	1500	ug/kg	
74-87-3	Methyl chloride	ND	3800	1500	ug/kg	
75-09-2	Methylene chloride	ND	7600	3800	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19000	7600	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	3800	1500	ug/kg	
100-42-5	Styrene	ND	3800	1500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3800	1500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3800	1500	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3800	1500	ug/kg	
127-18-4	Tetrachloroethylene	ND	3800	1500	ug/kg	
108-88-3	Toluene	ND	3800	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-115-07		
Lab Sample ID:	F14953-14	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	SW846 8260B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	3800	1500	ug/kg	
75-01-4	Vinyl chloride	ND	3800	1500	ug/kg	
1330-20-7	Xylene (total)	ND	11000	3000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	97%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-04		
Lab Sample ID:	F14953-1	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012473.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	810	200	ug/kg	
208-96-8	Acenaphthylene	ND	810	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	81	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	81	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	81	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	81	20	ug/kg	
218-01-9	Chrysene	ND	400	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	81	20	ug/kg	
206-44-0	Fluoranthene	ND	400	100	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	81	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		38-139%
92-94-4	p-Terphenyl	102%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-06		
Lab Sample ID:	F14953-2	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	77.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012474.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	880	220	ug/kg	
208-96-8	Acenaphthylene	ND	880	220	ug/kg	
120-12-7	Anthracene	ND	440	220	ug/kg	
56-55-3	Benzo(a)anthracene	ND	440	110	ug/kg	
50-32-8	Benzo(a)pyrene	ND	88	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	88	22	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	88	22	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	88	22	ug/kg	
218-01-9	Chrysene	ND	440	110	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	88	22	ug/kg	
206-44-0	Fluoranthene	ND	440	110	ug/kg	
86-73-7	Fluorene	ND	440	220	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	88	22	ug/kg	
91-20-3	Naphthalene	ND	440	110	ug/kg	
90-12-0	1-Methylnaphthalene	ND	440	110	ug/kg	
91-57-6	2-Methylnaphthalene	ND	440	110	ug/kg	
85-01-8	Phenanthrene	ND	440	220	ug/kg	
129-00-0	Pyrene	ND	440	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		38-139%
92-94-4	p-Terphenyl	96%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-04		
Lab Sample ID:	F14953-3	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	74.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012475.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.1 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	920	230	ug/kg	
208-96-8	Acenaphthylene	ND	920	230	ug/kg	
120-12-7	Anthracene	ND	460	230	ug/kg	
56-55-3	Benzo(a)anthracene	ND	460	120	ug/kg	
50-32-8	Benzo(a)pyrene	ND	92	23	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	92	23	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	92	23	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	92	23	ug/kg	
218-01-9	Chrysene	ND	460	120	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	92	23	ug/kg	
206-44-0	Fluoranthene	ND	460	120	ug/kg	
86-73-7	Fluorene	ND	460	230	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	92	23	ug/kg	
91-20-3	Naphthalene	ND	460	120	ug/kg	
90-12-0	1-Methylnaphthalene	ND	460	120	ug/kg	
91-57-6	2-Methylnaphthalene	ND	460	120	ug/kg	
85-01-8	Phenanthrene	ND	460	230	ug/kg	
129-00-0	Pyrene	ND	460	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		38-139%
92-94-4	p-Terphenyl	90%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-06		
Lab Sample ID:	F14953-4	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012476.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	800	200	ug/kg	
208-96-8	Acenaphthylene	ND	800	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	80	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	80	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	80	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	80	20	ug/kg	
218-01-9	Chrysene	ND	400	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	80	20	ug/kg	
206-44-0	Fluoranthene	ND	400	100	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	80	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		38-139%
92-94-4	p-Terphenyl	96%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-04		
Lab Sample ID:	F14953-5	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012477.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	800	200	ug/kg	
208-96-8	Acenaphthylene	ND	800	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	80	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	80	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	80	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	80	20	ug/kg	
218-01-9	Chrysene	ND	400	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	80	20	ug/kg	
206-44-0	Fluoranthene	ND	400	100	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	80	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		38-139%
92-94-4	p-Terphenyl	105%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-06		
Lab Sample ID:	F14953-6	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012478.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	800	200	ug/kg	
208-96-8	Acenaphthylene	ND	800	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	80	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	80	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	80	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	80	20	ug/kg	
218-01-9	Chrysene	ND	400	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	80	20	ug/kg	
206-44-0	Fluoranthene	ND	400	100	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	80	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		38-139%
92-94-4	p-Terphenyl	95%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-04		
Lab Sample ID:	F14953-7	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012480.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	710	180	ug/kg	
208-96-8	Acenaphthylene	ND	710	180	ug/kg	
120-12-7	Anthracene	ND	360	180	ug/kg	
56-55-3	Benzo(a)anthracene	ND	360	89	ug/kg	
50-32-8	Benzo(a)pyrene	ND	71	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	71	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	71	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	71	18	ug/kg	
218-01-9	Chrysene	ND	360	89	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	71	18	ug/kg	
206-44-0	Fluoranthene	ND	360	89	ug/kg	
86-73-7	Fluorene	ND	360	180	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	71	18	ug/kg	
91-20-3	Naphthalene	ND	360	89	ug/kg	
90-12-0	1-Methylnaphthalene	ND	360	89	ug/kg	
91-57-6	2-Methylnaphthalene	ND	360	89	ug/kg	
85-01-8	Phenanthrene	ND	360	180	ug/kg	
129-00-0	Pyrene	ND	360	89	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		38-139%
92-94-4	p-Terphenyl	100%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-06		
Lab Sample ID:	F14953-8	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012483.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	800	200	ug/kg	
208-96-8	Acenaphthylene	ND	800	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	80	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	80	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	80	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	80	20	ug/kg	
218-01-9	Chrysene	ND	400	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	80	20	ug/kg	
206-44-0	Fluoranthene	ND	400	100	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	80	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		38-139%
92-94-4	p-Terphenyl	95%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-04		
Lab Sample ID:	F14953-9	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	86.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012484.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	29.1 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	790	200	ug/kg	
208-96-8	Acenaphthylene	ND	790	200	ug/kg	
120-12-7	Anthracene	ND	400	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	400	99	ug/kg	
50-32-8	Benzo(a)pyrene	ND	79	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	79	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	79	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	79	20	ug/kg	
218-01-9	Chrysene	ND	400	99	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	79	20	ug/kg	
206-44-0	Fluoranthene	ND	400	99	ug/kg	
86-73-7	Fluorene	ND	400	200	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	79	20	ug/kg	
91-20-3	Naphthalene	ND	400	99	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	99	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	99	ug/kg	
85-01-8	Phenanthrene	ND	400	200	ug/kg	
129-00-0	Pyrene	ND	400	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		38-139%
92-94-4	p-Terphenyl	102%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-06		
Lab Sample ID:	F14953-10	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA012503.D	5	10/15/02	MRE	10/10/02	OP6069	GAA585
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	3800	960	ug/kg	
208-96-8	Acenaphthylene	ND	3800	960	ug/kg	
120-12-7	Anthracene	ND	1900	960	ug/kg	
56-55-3	Benzo(a)anthracene	ND	1900	480	ug/kg	
50-32-8	Benzo(a)pyrene	ND	380	96	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	380	96	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	380	96	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	380	96	ug/kg	
218-01-9	Chrysene	ND	1900	480	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	380	96	ug/kg	
206-44-0	Fluoranthene	ND	1900	480	ug/kg	
86-73-7	Fluorene	ND	1900	960	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	380	96	ug/kg	
91-20-3	Naphthalene	ND	1900	480	ug/kg	
90-12-0	1-Methylnaphthalene [b]	1420	1900	480	ug/kg	J
91-57-6	2-Methylnaphthalene	ND	1900	480	ug/kg	
85-01-8	Phenanthrene	ND	1900	960	ug/kg	
129-00-0	Pyrene	ND	1900	480	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		38-139%
92-94-4	p-Terphenyl	120%		46-149%

(a) Dilution required due to high levels of petroleum. See FLPRO results.
(b) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-04		
Lab Sample ID:	F14953-11	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	90.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012486.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	730	180	ug/kg	
208-96-8	Acenaphthylene	ND	730	180	ug/kg	
120-12-7	Anthracene	ND	370	180	ug/kg	
56-55-3	Benzo(a)anthracene	ND	370	92	ug/kg	
50-32-8	Benzo(a)pyrene	ND	73	73	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	73	73	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	73	73	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	73	73	ug/kg	
218-01-9	Chrysene	ND	370	92	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	73	73	ug/kg	
206-44-0	Fluoranthene	ND	370	92	ug/kg	
86-73-7	Fluorene	ND	370	180	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	73	73	ug/kg	
91-20-3	Naphthalene	ND	370	92	ug/kg	
90-12-0	1-Methylnaphthalene	ND	370	92	ug/kg	
91-57-6	2-Methylnaphthalene	ND	370	92	ug/kg	
85-01-8	Phenanthrene	ND	370	180	ug/kg	
129-00-0	Pyrene	ND	370	92	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		38-139%
92-94-4	p-Terphenyl	105%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-08		
Lab Sample ID:	F14953-12	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA012504.D	5	10/15/02	MRE	10/10/02	OP6069	GAA585
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [b]	ND	8000	8000	ug/kg	
208-96-8	Acenaphthylene	ND	4000	1000	ug/kg	
120-12-7	Anthracene	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	2000	500	ug/kg	
50-32-8	Benzo(a)pyrene [c]	332	400	100	ug/kg	J
205-99-2	Benzo(b)fluoranthene [d]	141	400	100	ug/kg	J
191-24-2	Benzo(g,h,i)perylene [c]	103	400	100	ug/kg	J
207-08-9	Benzo(k)fluoranthene [c]	156	400	100	ug/kg	J
218-01-9	Chrysene	ND	2000	500	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	400	100	ug/kg	
206-44-0	Fluoranthene	ND	2000	2000	ug/kg	
86-73-7	Fluorene	ND	2000	1000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene [c]	173	400	100	ug/kg	J
91-20-3	Naphthalene	ND	2000	500	ug/kg	
90-12-0	1-Methylnaphthalene [c]	1860	2000	500	ug/kg	J
91-57-6	2-Methylnaphthalene	ND	2000	2000	ug/kg	
85-01-8	Phenanthrene	ND	2000	1000	ug/kg	
129-00-0	Pyrene	ND	2000	500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		38-139%
92-94-4	p-Terphenyl	121%		46-149%

(a) Dilution required due to high levels of petroleum. See FLPRO results.
(b) Elevated reporting limits due to matrix interference.
(c) All hits confirmed by spectral match using a diode array detector.
(d) all hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-04		
Lab Sample ID:	F14953-13	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	95.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA012489.D	1	10/14/02	MRE	10/10/02	OP6069	GAA584
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	670	170	ug/kg	
208-96-8	Acenaphthylene	ND	670	170	ug/kg	
120-12-7	Anthracene	ND	340	170	ug/kg	
56-55-3	Benzo(a)anthracene	ND	340	84	ug/kg	
50-32-8	Benzo(a)pyrene	ND	67	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	67	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	67	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	67	17	ug/kg	
218-01-9	Chrysene	ND	340	84	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	67	17	ug/kg	
206-44-0	Fluoranthene	ND	340	84	ug/kg	
86-73-7	Fluorene	ND	340	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	67	17	ug/kg	
91-20-3	Naphthalene	ND	340	84	ug/kg	
90-12-0	1-Methylnaphthalene	ND	340	84	ug/kg	
91-57-6	2-Methylnaphthalene	ND	340	84	ug/kg	
85-01-8	Phenanthrene	ND	340	170	ug/kg	
129-00-0	Pyrene	ND	340	84	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		38-139%
92-94-4	p-Terphenyl	81%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-07		
Lab Sample ID:	F14953-14	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA012505.D	5	10/15/02	MRE	10/10/02	OP6069	GAA585
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	5.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [b]	ND	7000	7000	ug/kg	
208-96-8	Acenaphthylene	ND	3500	880	ug/kg	
120-12-7	Anthracene	ND	1800	880	ug/kg	
56-55-3	Benzo(a)anthracene	ND	1800	440	ug/kg	
50-32-8	Benzo(a)pyrene	ND	350	88	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	350	88	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	350	88	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	350	88	ug/kg	
218-01-9	Chrysene	ND	1800	440	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	350	88	ug/kg	
206-44-0	Fluoranthene	ND	1800	440	ug/kg	
86-73-7	Fluorene	ND	1800	880	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	350	88	ug/kg	
91-20-3	Naphthalene	520	1800	440	ug/kg	J
90-12-0	1-Methylnaphthalene	10200	1800	440	ug/kg	
91-57-6	2-Methylnaphthalene	4980	1800	440	ug/kg	
85-01-8	Phenanthrene	ND	1800	880	ug/kg	
129-00-0	Pyrene	ND	1800	440	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	137%		38-139%
92-94-4	p-Terphenyl	119%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Elevated reporting limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-04		
Lab Sample ID:	F14953-1	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24477.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.9	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-101-06		
Lab Sample ID:	F14953-2	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	77.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24478.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7.56	10	7.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-04		
Lab Sample ID:	F14953-3	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	74.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24479.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	29.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	11	7.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-103-06		
Lab Sample ID:	F14953-4	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24480.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	10	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-04		
Lab Sample ID:	F14953-5	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24481.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-104-06		
Lab Sample ID:	F14953-6	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24482.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-04		
Lab Sample ID:	F14953-7	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24484.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	8.7	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-105-06		
Lab Sample ID:	F14953-8	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24487.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	10	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-04		
Lab Sample ID:	F14953-9	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	86.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24488.D	1	10/10/02	SKW	10/09/02	OP6065	GOP864
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7.46	9.5	6.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-106-06		
Lab Sample ID:	F14953-10	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24502.D	250	10/11/02	SKW	10/09/02	OP6065	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	15300	2400	1600	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-04		
Lab Sample ID:	F14953-11	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24503.D	10	10/11/02	SKW	10/09/02	OP6065	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	536	91	62	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-110-08		
Lab Sample ID:	F14953-12	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24504.D	500	10/11/02	SKW	10/09/02	OP6065	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	20300	5100	3500	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-04		
Lab Sample ID:	F14953-13	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	95.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24505.D	1	10/11/02	SKW	10/09/02	OP6065	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	24.3	8.7	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-115-07		
Lab Sample ID:	F14953-14	**Date Sampled:**	10/07/02
Matrix:	SO - Soil	**Date Received:**	10/08/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24506.D	200	10/11/02	SKW	10/09/02	OP6065	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	13500	1800	1200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**FEBRUARY 4, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/PAH/TPH CTO 078, NAS CECIL FIELD SDG F14979**		
SAMPLES:	25/Soil		

CEF-293-DU01	CEF-293-DU02	CEF-293-DU03
CEF-293-SU-102-04	CEF-293-SU-102-06	CEF-293-SU-109-04
CEF-293-SU-109-06	CEF-293-SU-113-04	CEF-293-SU-113-06
CEF-293-SU-114-04	CEF-293-SU-114-06	CEF-293-SU-116-04
CEF-293-SU-116-06	CEF-293-SU-117-04	CEF-293-SU-117-06
CEF-293-SU-118-04	CEF-293-SU-118-08	CEF-293-SU-119-04
CEF-293-SU-119-06	CEF-293-SU-120-04	CEF-293-SU-120-06
CEF-293-SU-121-04	CEF-293-SU-121-06	CEF-293-SU-122-04
CEF-293-SU-122-06		

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG F14979 consists of twenty-two (22) environmental soil samples and three (3) field duplicates. All samples were analyzed for volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH), and total petroleum hydrocarbons (TPH) by SW-846 Methods 8260B and 8270C SIM and Florida-PRO respectively. The field duplicate pairs included with this SDG are (CEF-293-DU01 / CEF-293-SU-118-04), (CEF-293-DU02 / CEF-293-SU-120-04), and (CEF-293-DU03 / CEF-293-SU-119-06).

The samples were collected by TetraTech NUS on October 8, 2002 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8270C SIM and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial and continuing calibration
- * Laboratory method and field quality control blank results
- Field duplicate precision
- Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

The following compound was detected in the aqueous method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene chloride	23.4 µg/kg	234 µg/kg

Sample aliquot, and dilution factors were taken into consideration when applying the blank action levels. No action was taken based on method blank contamination because all samples were non-detected for methylene chloride.

Samples CEF-293-SU-102-06, CEF-293-SU-113-06, CEF-293-SU-114-06, CEF-293-SU-116-06, and CEF-293-SU-118-08 were analyzed using a methanol extraction. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples. The laboratory's case narrative states that samples CEF-293-SU-112-06 and CEF-293-SU-114-06 were methanol extracted due to matrix interference. Sample CEF-293-SU-112-06 was determined to be sample CEF-293-SU-102-06 by using the laboratory ID listed in the narrative (F14979-2). The remaining samples were methanol extracted due to the concentration of target analytes exceeding the linear calibration range of the instrument. None of the aforementioned samples were reported non-methanol extracted.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

The field duplicate pair CEF-293-DU01 and CEF-293-SU-118-04 exceeded the 50% relative percent difference (RPD) quality control criteria for acetone and total xylenes. The results for acetone and total xylenes in the aforementioned samples were qualified as estimated (J).

The field duplicate pair CEF-293-DU03 and CEF-293-SU-119-06 exceeded the 50% RPD quality control criteria for acetone. The results for acetone in the aforementioned samples were qualified as estimated (J).

PAH

Samples CEF-293-SU-102-06, CEF-293-SU-116-06, CEF-293-SU-118-08, and CEF-293-SU-113-06 were analyzed diluted because the concentration of target analytes exceeded the linear calibration range of the instrument. The samples were not analyzed undiluted. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples.

All surrogates had a 0% recovery in samples CEF-293-SU-102-06, CEF-293-SU-118-08, and CEF-293-SU-113-06. No qualifications were made on this basis because the aforementioned samples were all analyzed at >10X dilutions.

Surrogate nitrobenzene-d5 had a 0% recovery in sample CEF-293-SU-116-06. No qualifications were made on this basis because the sample was analyzed at a 10X dilution.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

TPH

Surrogate o-terphenyl had 0% recovery in samples CEF-293-SU-102-06, CEF-293-SU-113-06, CEF-293-

SU-114-06, CEF-293-SU-116-06, and CEF-293-SU-118-08. No qualifications were assigned on this basis because the samples were all analyzed at dilutions.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

The field duplicate pairs (CEF-293-DU01 / CEF-293-SU-118-04) and (CEF-293-DU02 / CEF-293-SU-120-04) exceeded the 50% RPD quality control criteria for TPH. The results for TPH in the aforementioned samples were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on field duplicate imprecision.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU01
samp_date	10/8/2002
lab_id	F14979-23
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	CEF-293-SU-118-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.3	U	
1,1,2,2-TETRACHLOROETHANE	5.3	U	
1,1,2-TRICHLOROETHANE	5.3	U	
1,1-DICHLOROETHANE	5.3	U	
1,1-DICHLOROETHENE	5.3	U	
1,2-DICHLOROETHANE	5.3	U	
1,2-DICHLOROPROPANE	5.3	U	
2-BUTANONE	26	U	
2-HEXANONE	26	U	
4-METHYL-2-PENTANONE	26	U	
ACETONE	39.5	J	GP
BENZENE	5.3	U	
BROMODICHLOROMETHANE	5.3	U	
BROMOFORM	5.3	U	
BROMOMETHANE	5.3	U	
CARBON DISULFIDE	5.3	U	
CARBON TETRACHLORIDE	5.3	U	
CHLOROBENZENE	5.3	U	
CHLORODIBROMOMETHANE	5.3	U	
CHLOROETHANE	5.3	U	
CHLOROFORM	5.3	U	
CHLOROMETHANE	5.3	U	
CIS-1,2-DICHLOROETHENE	5.3	U	
CIS-1,3-DICHLOROPROPENE	5.3	U	
ETHYLBENZENE	5.3	U	
METHYL TERT-BUTYL ETHER	5.3	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.3	U	
TETRACHLOROETHENE	5.3	U	
TOLUENE	5.3	U	

nsample	CEF-293-DU01
samp_date	10/8/2002
lab_id	F14979-23
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	CEF-293-SU-118-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	7.8	J	GP
TRANS-1,2-DICHLOROETHENE	5.3	U	
TRANS-1,3-DICHLOROPROPENE	5.3	U	
TRICHLOROETHENE	5.3	U	
VINYL CHLORIDE	5.3	U	

nsample	CEF-293-DU02
samp_date	10/8/2002
lab_id	F14979-24
qc_type	NM
units	UG/KG
Pct_Solids	89.9
DUP_OF:	CEF-293-SU-120-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU02
samp_date	10/8/2002
lab_id	F14979-24
qc_type	NM
units	UG/KG
Pct_Solids	89.9
DUP_OF:	CEF-293-SU-120-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-DU03
samp_date	10/8/2002
lab_id	F14979-25
qc_type	NM
units	UG/KG
Pct_Solids	76.6
DUP_OF:	CEF-293-SU-119-06

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.9	U	
1,1,2,2-TETRACHLOROETHANE	6.9	U	
1,1,2-TRICHLOROETHANE	6.9	U	
1,1-DICHLOROETHANE	6.9	U	
1,1-DICHLOROETHENE	6.9	U	
1,2-DICHLOROETHANE	6.9	U	
1,2-DICHLOROPROPANE	6.9	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	92.6	J	G
BENZENE	6.9	U	
BROMODICHLOROMETHANE	6.9	U	
BROMOFORM	6.9	U	
BROMOMETHANE	6.9	U	
CARBON DISULFIDE	6.9	U	
CARBON TETRACHLORIDE	6.9	U	
CHLOROBENZENE	6.9	U	
CHLORODIBROMOMETHANE	6.9	U	
CHLOROETHANE	6.9	U	
CHLOROFORM	6.9	U	
CHLOROMETHANE	6.9	U	
CIS-1,2-DICHLOROETHENE	6.9	U	
CIS-1,3-DICHLOROPROPENE	6.9	U	
ETHYLBENZENE	6.9	U	
METHYL TERT-BUTYL ETHER	6.9	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.9	U	
TETRACHLOROETHENE	6.9	U	
TOLUENE	6.9	U	

nsample	CEF-293-DU03
samp_date	10/8/2002
lab_id	F14979-25
qc_type	NM
units	UG/KG
Pct_Solids	76.6
DUP_OF:	CEF-293-SU-119-06

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	6.9	U	
TRANS-1,3-DICHLOROPROPENE	6.9	U	
TRICHLOROETHENE	6.9	U	
VINYL CHLORIDE	6.9	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-102-04
samp_date	10/8/2002
lab_id	F14979-1
qc_type	NM
units	UG/KG
Pct_Solids	80.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	70	U	
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
ETHYLBENZENE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	

nsample	CEF-293-SU-102-04
samp_date	10/8/2002
lab_id	F14979-1
qc_type	NM
units	UG/KG
Pct_Solids	80.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
VINYL CHLORIDE	7	U	

nsample	CEF-293-SU-102-06
samp_date	10/8/2002
lab_id	F14979-2
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	3500	U	
1,1,2,2-TETRACHLOROETHANE	3500	U	
1,1,2-TRICHLOROETHANE	3500	U	
1,1-DICHLOROETHANE	3500	U	
1,1-DICHLOROETHENE	3500	U	
1,2-DICHLOROETHANE	3500	U	
1,2-DICHLOROPROPANE	3500	U	
2-BUTANONE	17000	U	
2-HEXANONE	17000	U	
4-METHYL-2-PENTANONE	17000	U	
ACETONE	35000	U	
BENZENE	3500	U	
BROMODICHLOROMETHANE	3500	U	
BROMOFORM	3500	U	
BROMOMETHANE	3500	U	
CARBON DISULFIDE	3500	U	
CARBON TETRACHLORIDE	3500	U	
CHLOROBENZENE	3500	U	
CHLORODIBROMOMETHANE	3500	U	
CHLOROETHANE	3500	U	
CHLOROFORM	3500	U	
CHLOROMETHANE	3500	U	
CIS-1,2-DICHLOROETHENE	3500	U	
CIS-1,3-DICHLOROPROPENE	3500	U	
ETHYLBENZENE	3500	U	
METHYL TERT-BUTYL ETHER	3500	U	
METHYLENE CHLORIDE	6900	U	
STYRENE	3500	U	
TETRACHLOROETHENE	3500	U	
TOLUENE	3500	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-102-06
samp_date	10/8/2002
lab_id	F14979-2
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	7160	J	P
TRANS-1,2-DICHLOROETHENE	3500	U	
TRANS-1,3-DICHLOROPROPENE	3500	U	
TRICHLOROETHENE	3500	U	
VINYL CHLORIDE	3500	U	

nsample	CEF-293-SU-109-04
samp_date	10/8/2002
lab_id	F14979-5
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.8	U	
1,1,2,2-TETRACHLOROETHANE	5.8	U	
1,1,2-TRICHLOROETHANE	5.8	U	
1,1-DICHLOROETHANE	5.8	U	
1,1-DICHLOROETHENE	5.8	U	
1,2-DICHLOROETHANE	5.8	U	
1,2-DICHLOROPROPANE	5.8	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	58	U	
BENZENE	5.8	U	
BROMODICHLOROMETHANE	5.8	U	
BROMOFORM	5.8	U	
BROMOMETHANE	5.8	U	
CARBON DISULFIDE	5.8	U	
CARBON TETRACHLORIDE	5.8	U	
CHLOROBENZENE	5.8	U	
CHLORODIBROMOMETHANE	5.8	U	
CHLOROETHANE	5.8	U	
CHLOROFORM	5.8	U	
CHLOROMETHANE	5.8	U	
CIS-1,2-DICHLOROETHENE	5.8	U	
CIS-1,3-DICHLOROPROPENE	5.8	U	
ETHYLBENZENE	5.8	U	
METHYL TERT-BUTYL ETHER	5.8	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.8	U	
TETRACHLOROETHENE	5.8	U	
TOLUENE	5.8	U	

nsample	CEF-293-SU-109-04
samp_date	10/8/2002
lab_id	F14979-5
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.8	U	
TRANS-1,3-DICHLOROPROPENE	5.8	U	
TRICHLOROETHENE	5.8	U	
VINYL CHLORIDE	5.8	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-109-06
samp_date	10/8/2002
lab_id	F14979-6
qc_type	NM
units	UG/KG
Pct_Solids	88.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	67		
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	5.9	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	5.9	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	5.9	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	

nsample	CEF-293-SU-109-06
samp_date	10/8/2002
lab_id	F14979-6
qc_type	NM
units	UG/KG
Pct_Solids	88.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	5.9	U	

nsample	CEF-293-SU-113-04
samp_date	10/8/2002
lab_id	F14979-7
qc_type	NM
units	UG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	13.4	J	P
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.8		
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-113-04
samp_date	10/8/2002
lab_id	F14979-7
qc_type	NM
units	UG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	40.3		
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-SU-113-06
samp_date	10/8/2002
lab_id	F14979-8
qc_type	NM
units	UG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	330	U	
1,1,2,2-TETRACHLOROETHANE	330	U	
1,1,2-TRICHLOROETHANE	330	U	
1,1-DICHLOROETHANE	330	U	
1,1-DICHLOROETHENE	330	U	
1,2-DICHLOROETHANE	330	U	
1,2-DICHLOROPROPANE	330	U	
2-BUTANONE	1600	U	
2-HEXANONE	1600	U	
4-METHYL-2-PENTANONE	1600	U	
ACETONE	3300	U	
BENZENE	330	U	
BROMODICHLOROMETHANE	330	U	
BROMOFORM	330	U	
BROMOMETHANE	330	U	
CARBON DISULFIDE	330	U	
CARBON TETRACHLORIDE	330	U	
CHLOROBENZENE	330	U	
CHLORODIBROMOMETHANE	330	U	
CHLOROETHANE	330	U	
CHLOROFORM	330	U	
CHLOROMETHANE	330	U	
CIS-1,2-DICHLOROETHENE	330	U	
CIS-1,3-DICHLOROPROPENE	330	U	
ETHYLBENZENE	3150		
METHYL TERT-BUTYL ETHER	330	U	
METHYLENE CHLORIDE	660	U	
STYRENE	330	U	
TETRACHLOROETHENE	330	U	
TOLUENE	330	U	

nsample	CEF-293-SU-113-06
samp_date	10/8/2002
lab_id	F14979-8
qc_type	NM
units	UG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	12400		
TRANS-1,2-DICHLOROETHENE	330	U	
TRANS-1,3-DICHLOROPROPENE	330	U	
TRICHLOROETHENE	330	U	
VINYL CHLORIDE	330	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-114-04
samp_date	10/8/2002
lab_id	F14979-21
qc_type	NM
units	UG/KG
Pct_Solids	91.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	59	U	
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	5.9	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	5.9	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	5.9	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	

nsample	CEF-293-SU-114-04
samp_date	10/8/2002
lab_id	F14979-21
qc_type	NM
units	UG/KG
Pct_Solids	91.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	5.9	U	

nsample	CEF-293-SU-114-06
samp_date	10/8/2002
lab_id	F14979-22
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	300	U	
1,1,2,2-TETRACHLOROETHANE	300	U	
1,1,2-TRICHLOROETHANE	300	U	
1,1-DICHLOROETHANE	300	U	
1,1-DICHLOROETHENE	300	U	
1,2-DICHLOROETHANE	300	U	
1,2-DICHLOROPROPANE	300	U	
2-BUTANONE	1500	U	
2-HEXANONE	1500	U	
4-METHYL-2-PENTANONE	1500	U	
ACETONE	3000	U	
BENZENE	300	U	
BROMODICHLOROMETHANE	300	U	
BROMOFORM	300	U	
BROMOMETHANE	300	U	
CARBON DISULFIDE	300	U	
CARBON TETRACHLORIDE	300	U	
CHLOROBENZENE	300	U	
CHLORODIBROMOMETHANE	300	U	
CHLOROETHANE	300	U	
CHLOROFORM	300	U	
CHLOROMETHANE	300	U	
CIS-1,2-DICHLOROETHENE	300	U	
CIS-1,3-DICHLOROPROPENE	300	U	
ETHYLBENZENE	300	U	
METHYL TERT-BUTYL ETHER	300	U	
METHYLENE CHLORIDE	590	U	
STYRENE	300	U	
TETRACHLOROETHENE	300	U	
TOLUENE	300	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-114-06
samp_date	10/8/2002
lab_id	F14979-22
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	890	U	
TRANS-1,2-DICHLOROETHENE	300	U	
TRANS-1,3-DICHLOROPROPENE	300	U	
TRICHLOROETHENE	300	U	
VINYL CHLORIDE	300	U	

nsample	CEF-293-SU-116-04
samp_date	10/8/2002
lab_id	F14979-19
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6	U	
1,1,2,2-TETRACHLOROETHANE	6	U	
1,1,2-TRICHLOROETHANE	6	U	
1,1-DICHLOROETHANE	6	U	
1,1-DICHLOROETHENE	6	U	
1,2-DICHLOROETHANE	6	U	
1,2-DICHLOROPROPANE	6	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	14.2	J	P
BENZENE	6	U	
BROMODICHLOROMETHANE	6	U	
BROMOFORM	6	U	
BROMOMETHANE	6	U	
CARBON DISULFIDE	6	U	
CARBON TETRACHLORIDE	6	U	
CHLOROBENZENE	6	U	
CHLORODIBROMOMETHANE	6	U	
CHLOROETHANE	6	U	
CHLOROFORM	6	U	
CHLOROMETHANE	6	U	
CIS-1,2-DICHLOROETHENE	6	U	
CIS-1,3-DICHLOROPROPENE	6	U	
ETHYLBENZENE	3.6	J	P
METHYL TERT-BUTYL ETHER	6	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6	U	
TETRACHLOROETHENE	6	U	
TOLUENE	6	U	

nsample	CEF-293-SU-116-04
samp_date	10/8/2002
lab_id	F14979-19
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19.7		
TRANS-1,2-DICHLOROETHENE	6	U	
TRANS-1,3-DICHLOROPROPENE	6	U	
TRICHLOROETHENE	6	U	
VINYL CHLORIDE	6	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-116-06
samp_date	10/8/2002
lab_id	F14979-20
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	320	U	
1,1,2,2-TETRACHLOROETHANE	320	U	
1,1,2-TRICHLOROETHANE	320	U	
1,1-DICHLOROETHANE	320	U	
1,1-DICHLOROETHENE	320	U	
1,2-DICHLOROETHANE	320	U	
1,2-DICHLOROPROPANE	320	U	
2-BUTANONE	1600	U	
2-HEXANONE	1600	U	
4-METHYL-2-PENTANONE	1600	U	
ACETONE	3200	U	
BENZENE	320	U	
BROMODICHLOROMETHANE	320	U	
BROMOFORM	320	U	
BROMOMETHANE	320	U	
CARBON DISULFIDE	320	U	
CARBON TETRACHLORIDE	320	U	
CHLOROBENZENE	320	U	
CHLORODIBROMOMETHANE	320	U	
CHLOROETHANE	320	U	
CHLOROFORM	320	U	
CHLOROMETHANE	320	U	
CIS-1,2-DICHLOROETHENE	320	U	
CIS-1,3-DICHLOROPROPENE	320	U	
ETHYLBENZENE	2950		
METHYL TERT-BUTYL ETHER	320	U	
METHYLENE CHLORIDE	640	U	
STYRENE	320	U	
TETRACHLOROETHENE	320	U	
TOLUENE	249	J	P

nsample	CEF-293-SU-116-06
samp_date	10/8/2002
lab_id	F14979-20
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	12800		
TRANS-1,2-DICHLOROETHENE	320	U	
TRANS-1,3-DICHLOROPROPENE	320	U	
TRICHLOROETHENE	320	U	
VINYL CHLORIDE	320	U	

nsample	CEF-293-SU-117-04
samp_date	10/8/2002
lab_id	F14979-9
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.8	U	
1,1,2,2-TETRACHLOROETHANE	6.8	U	
1,1,2-TRICHLOROETHANE	6.8	U	
1,1-DICHLOROETHANE	6.8	U	
1,1-DICHLOROETHENE	6.8	U	
1,2-DICHLOROETHANE	6.8	U	
1,2-DICHLOROPROPANE	6.8	U	
2-BUTANONE	34	U	
2-HEXANONE	34	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	91.1		
BENZENE	6.8	U	
BROMODICHLOROMETHANE	6.8	U	
BROMOFORM	6.8	U	
BROMOMETHANE	6.8	U	
CARBON DISULFIDE	6.8	U	
CARBON TETRACHLORIDE	6.8	U	
CHLOROBENZENE	6.8	U	
CHLORODIBROMOMETHANE	6.8	U	
CHLOROETHANE	6.8	U	
CHLOROFORM	6.8	U	
CHLOROMETHANE	6.8	U	
CIS-1,2-DICHLOROETHENE	6.8	U	
CIS-1,3-DICHLOROPROPENE	6.8	U	
ETHYLBENZENE	17.9		
METHYL TERT-BUTYL ETHER	6.8	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.8	U	
TETRACHLOROETHENE	6.8	U	
TOLUENE	6.8	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-117-04
samp_date	10/8/2002
lab_id	F14979-9
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	80.4		
TRANS-1,2-DICHLOROETHENE	6.8	U	
TRANS-1,3-DICHLOROPROPENE	6.8	U	
TRICHLOROETHENE	6.8	U	
VINYL CHLORIDE	6.8	U	

nsample	CEF-293-SU-117-06
samp_date	10/8/2002
lab_id	F14979-10
qc_type	NM
units	UG/KG
Pct_Solids	89.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.7	U	
1,1,2,2-TETRACHLOROETHANE	6.7	U	
1,1,2-TRICHLOROETHANE	6.7	U	
1,1-DICHLOROETHANE	6.7	U	
1,1-DICHLOROETHENE	6.7	U	
1,2-DICHLOROETHANE	6.7	U	
1,2-DICHLOROPROPANE	6.7	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	19.5	J	P
BENZENE	6.7	U	
BROMODICHLOROMETHANE	6.7	U	
BROMOFORM	6.7	U	
BROMOMETHANE	6.7	U	
CARBON DISULFIDE	6.7	U	
CARBON TETRACHLORIDE	6.7	U	
CHLOROBENZENE	6.7	U	
CHLORODIBROMOMETHANE	6.7	U	
CHLOROETHANE	6.7	U	
CHLOROFORM	6.7	U	
CHLOROMETHANE	6.7	U	
CIS-1,2-DICHLOROETHENE	6.7	U	
CIS-1,3-DICHLOROPROPENE	6.7	U	
ETHYLBENZENE	6.7	U	
METHYL TERT-BUTYL ETHER	6.7	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.7	U	
TETRACHLOROETHENE	6.7	U	
TOLUENE	6.7	U	

nsample	CEF-293-SU-117-06
samp_date	10/8/2002
lab_id	F14979-10
qc_type	NM
units	UG/KG
Pct_Solids	89.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.7	U	
TRANS-1,3-DICHLOROPROPENE	6.7	U	
TRICHLOROETHENE	6.7	U	
VINYL CHLORIDE	6.7	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-118-04
samp_date	10/8/2002
lab_id	F14979-3
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	15.8	J	GP
BENZENE	5.7	U	
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	5.7	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	5.7	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	5.7	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	2.6	J	P
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.7	U	
TETRACHLOROETHENE	5.7	U	
TOLUENE	5.7	U	

nsample	CEF-293-SU-118-04
samp_date	10/8/2002
lab_id	F14979-3
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	13.8	J	GP
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	5.7	U	

nsample	CEF-293-SU-118-08
samp_date	10/8/2002
lab_id	F14979-4
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	660	U	
1,1,2,2-TETRACHLOROETHANE	660	U	
1,1,2-TRICHLOROETHANE	660	U	
1,1-DICHLOROETHANE	660	U	
1,1-DICHLOROETHENE	660	U	
1,2-DICHLOROETHANE	660	U	
1,2-DICHLOROPROPANE	660	U	
2-BUTANONE	3300	U	
2-HEXANONE	3300	U	
4-METHYL-2-PENTANONE	3300	U	
ACETONE	6600	U	
BENZENE	660	U	
BROMODICHLOROMETHANE	660	U	
BROMOFORM	660	U	
BROMOMETHANE	660	U	
CARBON DISULFIDE	660	U	
CARBON TETRACHLORIDE	660	U	
CHLOROBENZENE	660	U	
CHLORODIBROMOMETHANE	660	U	
CHLOROETHANE	660	U	
CHLOROFORM	660	U	
CHLOROMETHANE	660	U	
CIS-1,2-DICHLOROETHENE	660	U	
CIS-1,3-DICHLOROPROPENE	660	U	
ETHYLBENZENE	20000		
METHYL TERT-BUTYL ETHER	660	U	
METHYLENE CHLORIDE	1300	U	
STYRENE	660	U	
TETRACHLOROETHENE	660	U	
TOLUENE	3060		

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-118-08
samp_date	10/8/2002
lab_id	F14979-4
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	93400		
TRANS-1,2-DICHLOROETHENE	660	U	
TRANS-1,3-DICHLOROPROPENE	660	U	
TRICHLOROETHENE	660	U	
VINYL CHLORIDE	660	U	

nsample	CEF-293-SU-119-04
samp_date	10/8/2002
lab_id	F14979-17
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	62	U	
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-119-04
samp_date	10/8/2002
lab_id	F14979-17
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-119-06
samp_date	10/8/2002
lab_id	F14979-18
qc_type	NM
units	UG/KG
Pct_Solids	85.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	51.4	J	GP
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-119-06
samp_date	10/8/2002
lab_id	F14979-18
qc_type	NM
units	UG/KG
Pct_Solids	85.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

nsample	CEF-293-SU-120-04
samp_date	10/8/2002
lab_id	F14979-11
qc_type	NM
units	UG/KG
Pct_Solids	90.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	59	U	
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	5.9	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	5.9	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	5.9	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-120-04
samp_date	10/8/2002
lab_id	F14979-11
qc_type	NM
units	UG/KG
Pct_Solids	90.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	5.9	U	

nsample	CEF-293-SU-120-06
samp_date	10/8/2002
lab_id	F14979-12
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	70	U	
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
ETHYLBENZENE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	

nsample	CEF-293-SU-120-06
samp_date	10/8/2002
lab_id	F14979-12
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
VINYL CHLORIDE	7	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-121-04
samp_date	10/8/2002
lab_id	F14979-13
qc_type	NM
units	UG/KG
Pct_Solids	74.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7.6	U	
1,1,2,2-TETRACHLOROETHANE	7.6	U	
1,1,2-TRICHLOROETHANE	7.6	U	
1,1-DICHLOROETHANE	7.6	U	
1,1-DICHLOROETHENE	7.6	U	
1,2-DICHLOROETHANE	7.6	U	
1,2-DICHLOROPROPANE	7.6	U	
2-BUTANONE	38	U	
2-HEXANONE	38	U	
4-METHYL-2-PENTANONE	38	U	
ACETONE	76	U	
BENZENE	7.6	U	
BROMODICHLOROMETHANE	7.6	U	
BROMOFORM	7.6	U	
BROMOMETHANE	7.6	U	
CARBON DISULFIDE	7.6	U	
CARBON TETRACHLORIDE	7.6	U	
CHLOROBENZENE	7.6	U	
CHLORODIBROMOMETHANE	7.6	U	
CHLOROETHANE	7.6	U	
CHLOROFORM	7.6	U	
CHLOROMETHANE	7.6	U	
CIS-1,2-DICHLOROETHENE	7.6	U	
CIS-1,3-DICHLOROPROPENE	7.6	U	
ETHYLBENZENE	7.6	U	
METHYL TERT-BUTYL ETHER	7.6	U	
METHYLENE CHLORIDE	15	U	
STYRENE	7.6	U	
TETRACHLOROETHENE	7.6	U	
TOLUENE	7.6	U	

nsample	CEF-293-SU-121-04
samp_date	10/8/2002
lab_id	F14979-13
qc_type	NM
units	UG/KG
Pct_Solids	74.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	23	U	
TRANS-1,2-DICHLOROETHENE	7.6	U	
TRANS-1,3-DICHLOROPROPENE	7.6	U	
TRICHLOROETHENE	7.6	U	
VINYL CHLORIDE	7.6	U	

nsample	CEF-293-SU-121-06
samp_date	10/8/2002
lab_id	F14979-14
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	63	U	
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	6.3	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	6.3	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	6.3	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.3	U	
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-121-06
samp_date	10/8/2002
lab_id	F14979-14
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	6.3	U	

nsample	CEF-293-SU-122-04
samp_date	10/8/2002
lab_id	F14979-15
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-122-04
samp_date	10/8/2002
lab_id	F14979-15
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-122-06	nsample	CEF-293-SU-122-06
samp_date	10/8/2002	samp_date	10/8/2002
lab_id	F14979-16	lab_id	F14979-16
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	82.2	Pct_Solids	82.2
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	17.3	J	P
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-DU01
samp_date	10/8/2002
lab_id	F14979-23
qc_type	NM
units	UG/KG
Pct_Solids	90.3
DUP_OF:	CEF-293-SU-118-04

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-DU02
samp_date	10/8/2002
lab_id	F14979-24
qc_type	NM
units	UG/KG
Pct_Solids	89.9
DUP_OF:	CEF-293-120-04

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-DU03
samp_date	10/8/2002
lab_id	F14979-25
qc_type	NM
units	UG/KG
Pct_Solids	76.6
DUP_OF:	CEF-293-SU-119-06

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	350	U	
2-METHYLNAPHTHALENE	350	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ANTHRACENE	350	U	
BENZO(A)ANTHRACENE	70	U	
BENZO(A)PYRENE	70	U	
BENZO(B)FLUORANTHENE	70	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	70	U	
CHRYSENE	70	U	
DIBENZO(A,H)ANTHRACENE	70	U	
FLUORANTHENE	350	U	
FLUORENE	350	U	
INDENO(1,2,3-CD)PYRENE	70	U	
NAPHTHALENE	350	U	
PHENANTHRENE	350	U	
PYRENE	350	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-102-04
samp_date	10/8/2002
lab_id	F14979-1
qc_type	NM
units	UG/KG
Pct_Solids	80.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	340	U	
2-METHYLNAPHTHALENE	340	U	
ACENAPHTHENE	340	U	
ACENAPHTHYLENE	340	U	
ANTHRACENE	340	U	
BENZO(A)ANTHRACENE	68	U	
BENZO(A)PYRENE	68	U	
BENZO(B)FLUORANTHENE	68	U	
BENZO(G,H,I)PERYLENE	64.9	J	P
BENZO(K)FLUORANTHENE	68	U	
CHRYSENE	68	U	
DIBENZO(A,H)ANTHRACENE	42.2	J	P
FLUORANTHENE	340	U	
FLUORENE	340	U	
INDENO(1,2,3-CD)PYRENE	30.1	J	P
NAPHTHALENE	340	U	
PHENANTHRENE	340	U	
PYRENE	340	U	

nsample	CEF-293-SU-102-06
samp_date	10/8/2002
lab_id	F14979-2
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	5380		
2-METHYLNAPHTHALENE	5670		
ACENAPHTHENE	1500	U	
ACENAPHTHYLENE	1500	U	
ANTHRACENE	1500	U	
BENZO(A)ANTHRACENE	310	U	
BENZO(A)PYRENE	310	U	
BENZO(B)FLUORANTHENE	310	U	
BENZO(G,H,I)PERYLENE	310	U	
BENZO(K)FLUORANTHENE	310	U	
CHRYSENE	310	U	
DIBENZO(A,H)ANTHRACENE	310	U	
FLUORANTHENE	1500	U	
FLUORENE	1500	U	
INDENO(1,2,3-CD)PYRENE	310	U	
NAPHTHALENE	3230		
PHENANTHRENE	1500	U	
PYRENE	1500	U	

nsample	CEF-293-SU-109-04
samp_date	10/8/2002
lab_id	F14979-5
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-109-06	nsample	CEF-293-SU-113-04	nsample	CEF-293-SU-113-06
samp_date	10/8/2002	samp_date	10/8/2002	samp_date	10/8/2002
lab_id	F14979-6	lab_id	F14979-7	lab_id	F14979-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	88.8	Pct_Solids	91.5	Pct_Solids	85.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	59	U	
BENZO(A)PYRENE	59	U	
BENZO(B)FLUORANTHENE	59	U	
BENZO(G,H,I)PERYLENE	59	U	
BENZO(K)FLUORANTHENE	59	U	
CHRYSENE	59	U	
DIBENZO(A,H)ANTHRACENE	59	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	59	U	
NAPHTHALENE	39.2	J	P
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	18400		
2-METHYLNAPHTHALENE	23300		
ACENAPHTHENE	494	J	P
ACENAPHTHYLENE	1600	U	
ANTHRACENE	393	J	P
BENZO(A)ANTHRACENE	245	J	P
BENZO(A)PYRENE	144	J	P
BENZO(B)FLUORANTHENE	188	J	P
BENZO(G,H,I)PERYLENE	320	U	
BENZO(K)FLUORANTHENE	81.7	J	P
CHRYSENE	249	J	P
DIBENZO(A,H)ANTHRACENE	320	U	
FLUORANTHENE	924	J	P
FLUORENE	648	J	P
INDENO(1,2,3-CD)PYRENE	320	U	
NAPHTHALENE	11200		
PHENANTHRENE	1430	J	P
PYRENE	834	J	P

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-114-04
samp_date	10/8/2002
lab_id	F14979-21
qc_type	NM
units	UG/KG
Pct_Solids	91.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-114-06
samp_date	10/8/2002
lab_id	F14979-22
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	108	J	P
2-METHYLNAPHTHALENE	128	J	P
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	38.1	J	P

nsample	CEF-293-SU-116-04
samp_date	10/8/2002
lab_id	F14979-19
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	160	J	P
2-METHYLNAPHTHALENE	208	J	P
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	107	J	P
PHENANTHRENE	290	U	
PYRENE	290	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-116-06
samp_date	10/8/2002
lab_id	F14979-20
qc_type	NM
units	UG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	12200		
2-METHYLNAPHTHALENE	15700		
ACENAPHTHENE	224	J	P
ACENAPHTHYLENE	680	U	
ANTHRACENE	680	U	
BENZO(A)ANTHRACENE	48.3	J	P
BENZO(A)PYRENE	140	U	
BENZO(B)FLUORANTHENE	140	U	
BENZO(G,H,I)PERYLENE	140	U	
BENZO(K)FLUORANTHENE	140	U	
CHRYSENE	37.2	J	P
DIBENZO(A,H)ANTHRACENE	140	U	
FLUORANTHENE	168	J	P
FLUORENE	319	J	P
INDENO(1,2,3-CD)PYRENE	140	U	
NAPHTHALENE	8760		
PHENANTHRENE	333	J	P
PYRENE	149	J	P

nsample	CEF-293-SU-117-04
samp_date	10/8/2002
lab_id	F14979-9
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	65	U	
BENZO(A)PYRENE	65	U	
BENZO(B)FLUORANTHENE	65	U	
BENZO(G,H,I)PERYLENE	65	U	
BENZO(K)FLUORANTHENE	65	U	
CHRYSENE	65	U	
DIBENZO(A,H)ANTHRACENE	65	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	65	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

nsample	CEF-293-SU-117-06
samp_date	10/8/2002
lab_id	F14979-10
qc_type	NM
units	UG/KG
Pct_Solids	89.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	61	U	
BENZO(A)PYRENE	61	U	
BENZO(B)FLUORANTHENE	61	U	
BENZO(G,H,I)PERYLENE	61	U	
BENZO(K)FLUORANTHENE	61	U	
CHRYSENE	61	U	
DIBENZO(A,H)ANTHRACENE	61	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	61	U	
NAPHTHALENE	39	J	P
PHENANTHRENE	310	U	
PYRENE	310	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-118-04
samp_date	10/8/2002
lab_id	F14979-3
qc_type	NM
units	UG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	51.6	J	P
2-METHYLNAPHTHALENE	45.6	J	P
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

nsample	CEF-293-SU-118-08
samp_date	10/8/2002
lab_id	F14979-4
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	50100		
2-METHYLNAPHTHALENE	62900		
ACENAPHTHENE	1600	U	
ACENAPHTHYLENE	1600	U	
ANTHRACENE	1600	U	
BENZO(A)ANTHRACENE	330	U	
BENZO(A)PYRENE	330	U	
BENZO(B)FLUORANTHENE	330	U	
BENZO(G,H,I)PERYLENE	330	U	
BENZO(K)FLUORANTHENE	330	U	
CHRYSENE	330	U	
DIBENZO(A,H)ANTHRACENE	330	U	
FLUORANTHENE	1600	U	
FLUORENE	843	J	P
INDENO(1,2,3-CD)PYRENE	330	U	
NAPHTHALENE	33600		
PHENANTHRENE	350	J	P
PYRENE	1600	U	

nsample	CEF-293-SU-119-04
samp_date	10/8/2002
lab_id	F14979-17
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	280	U	
2-METHYLNAPHTHALENE	280	U	
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	56	U	
BENZO(A)PYRENE	56	U	
BENZO(B)FLUORANTHENE	56	U	
BENZO(G,H,I)PERYLENE	56	U	
BENZO(K)FLUORANTHENE	56	U	
CHRYSENE	56	U	
DIBENZO(A,H)ANTHRACENE	56	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	56	U	
NAPHTHALENE	280	U	
PHENANTHRENE	280	U	
PYRENE	280	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-119-06
samp_date	10/8/2002
lab_id	F14979-18
qc_type	NM
units	UG/KG
Pct_Solids	85.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

nsample	CEF-293-SU-120-04
samp_date	10/8/2002
lab_id	F14979-11
qc_type	NM
units	UG/KG
Pct_Solids	90.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

nsample	CEF-293-SU-120-06
samp_date	10/8/2002
lab_id	F14979-12
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	310	U	
PHENANTHRENE	310	U	
PYRENE	310	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-121-04	nsample	CEF-293-SU-121-06	nsample	CEF-293-SU-122-04
samp_date	10/8/2002	samp_date	10/8/2002	samp_date	10/8/2002
lab_id	F14979-13	lab_id	F14979-14	lab_id	F14979-15
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	74.7	Pct_Solids	83.4	Pct_Solids	90.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	370	U	
2-METHYLNAPHTHALENE	370	U	
ACENAPHTHENE	370	U	
ACENAPHTHYLENE	370	U	
ANTHRACENE	370	U	
BENZO(A)ANTHRACENE	73	U	
BENZO(A)PYRENE	73	U	
BENZO(B)FLUORANTHENE	73	U	
BENZO(G,H,I)PERYLENE	73	U	
BENZO(K)FLUORANTHENE	73	U	
CHRYSENE	73	U	
DIBENZO(A,H)ANTHRACENE	73	U	
FLUORANTHENE	370	U	
FLUORENE	370	U	
INDENO(1,2,3-CD)PYRENE	73	U	
NAPHTHALENE	370	U	
PHENANTHRENE	370	U	
PYRENE	370	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	65	U	
BENZO(A)PYRENE	65	U	
BENZO(B)FLUORANTHENE	65	U	
BENZO(G,H,I)PERYLENE	65	U	
BENZO(K)FLUORANTHENE	65	U	
CHRYSENE	65	U	
DIBENZO(A,H)ANTHRACENE	65	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	65	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	59	U	
BENZO(A)PYRENE	59	U	
BENZO(B)FLUORANTHENE	59	U	
BENZO(G,H,I)PERYLENE	59	U	
BENZO(K)FLUORANTHENE	59	U	
CHRYSENE	59	U	
DIBENZO(A,H)ANTHRACENE	59	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	59	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-122-06
samp_date	10/8/2002
lab_id	F14979-16
qc_type	NM
units	UG/KG
Pct_Solids	82.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	66	U	
BENZO(A)PYRENE	66	U	
BENZO(B)FLUORANTHENE	66	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	66	U	
CHRYSENE	66	U	
DIBENZO(A,H)ANTHRACENE	66	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	66	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-DU01
samp_date	10/8/2002
lab_id	F14979-23
qc_type	NM
units	MG/KG
Pct_Solids	90.3
DUP_OF:	CEF-293-SU-118-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.59	J	GP

nsample	CEF-293-DU02
samp_date	10/8/2002
lab_id	F14979-24
qc_type	NM
units	MG/KG
Pct_Solids	89.9
DUP_OF:	CEF-293-SU-120-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	16.2	J	G

nsample	CEF-293-DU03
samp_date	10/8/2002
lab_id	F14979-25
qc_type	NM
units	MG/KG
Pct_Solids	76.6
DUP_OF:	CEF-293-SU-119-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-102-04
samp_date	10/8/2002
lab_id	F14979-1
qc_type	NM
units	MG/KG
Pct_Solids	80.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	14.5		

nsample	CEF-293-SU-102-06
samp_date	10/8/2002
lab_id	F14979-2
qc_type	NM
units	MG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	21500		

nsample	CEF-293-SU-109-04
samp_date	10/8/2002
lab_id	F14979-5
qc_type	NM
units	MG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	13.3		

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-109-06
samp_date	10/8/2002
lab_id	F14979-6
qc_type	NM
units	MG/KG
Pct_Solids	88.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.4	U	

nsample	CEF-293-SU-113-04
samp_date	10/8/2002
lab_id	F14979-7
qc_type	NM
units	MG/KG
Pct_Solids	91.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	16.7		

nsample	CEF-293-SU-113-06
samp_date	10/8/2002
lab_id	F14979-8
qc_type	NM
units	MG/KG
Pct_Solids	85.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7720		

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-121-04
samp_date	10/8/2002
lab_id	F14979-13
qc_type	NM
units	MG/KG
Pct_Solids	74.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11	U	

nsample	CEF-293-SU-121-06
samp_date	10/8/2002
lab_id	F14979-14
qc_type	NM
units	MG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.7	U	

nsample	CEF-293-SU-122-04
samp_date	10/8/2002
lab_id	F14979-15
qc_type	NM
units	MG/KG
Pct_Solids	90.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.9	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-114-04
samp_date	10/8/2002
lab_id	F14979-21
qc_type	NM
units	MG/KG
Pct_Solids	91.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	17.7		

nsample	CEF-293-SU-114-06
samp_date	10/8/2002
lab_id	F14979-22
qc_type	NM
units	MG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4830		

nsample	CEF-293-SU-116-04
samp_date	10/8/2002
lab_id	F14979-19
qc_type	NM
units	MG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	22.5		

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-116-06
samp_date	10/8/2002
lab_id	F14979-20
qc_type	NM
units	MG/KG
Pct_Solids	95.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4220		

nsample	CEF-293-SU-117-04
samp_date	10/8/2002
lab_id	F14979-9
qc_type	NM
units	MG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	45.7		

nsample	CEF-293-SU-117-06
samp_date	10/8/2002
lab_id	F14979-10
qc_type	NM
units	MG/KG
Pct_Solids	89.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.41	J	P

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-118-04
samp_date	10/8/2002
lab_id	F14979-3
qc_type	NM
units	MG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	27.2	J	G

nsample	CEF-293-SU-118-08
samp_date	10/8/2002
lab_id	F14979-4
qc_type	NM
units	MG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	19400		

nsample	CEF-293-SU-119-04
samp_date	10/8/2002
lab_id	F14979-17
qc_type	NM
units	MG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.6	U	

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-119-06
samp_date	10/8/2002
lab_id	F14979-18
qc_type	NM
units	MG/KG
Pct_Solids	85.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.6	U	

nsample	CEF-293-SU-120-04
samp_date	10/8/2002
lab_id	F14979-11
qc_type	NM
units	MG/KG
Pct_Solids	90.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.42	J	GP

nsample	CEF-293-SU-120-06
samp_date	10/8/2002
lab_id	F14979-12
qc_type	NM
units	MG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.37	J	P

PROJ_NO: 0039

SDG: F14979 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-122-06
samp_date	10/8/2002
lab_id	F14979-16
qc_type	NM
units	MG/KG
Pct_Solids	82.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.7	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU01		
Lab Sample ID:	F14979-23	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018520.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	5.23 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	39.5	53	11	ug/kg	J
71-43-2	Benzene	ND	5.3	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	2.1	ug/kg	
75-25-2	Bromoform	ND	5.3	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	3.2	ug/kg	
67-66-3	Chloroform	ND	5.3	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	2.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	11	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.1	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.3	2.1	ug/kg	
100-42-5	Styrene	ND	5.3	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	2.1	ug/kg	
108-88-3	Toluene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU01		
Lab Sample ID:	F14979-23	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.3	2.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
1330-20-7	Xylene (total)	7.8	16	4.2	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU02		
Lab Sample ID:	F14979-24	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	89.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018521.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.54 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.5	ug/kg	
75-25-2	Bromoform	ND	6.1	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.7	ug/kg	
67-66-3	Chloroform	ND	6.1	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.5	ug/kg	
100-42-5	Styrene	ND	6.1	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.5	ug/kg	
108-88-3	Toluene	ND	6.1	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU02		
Lab Sample ID:	F14979-24	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	89.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		79-121%
460-00-4	4-Bromofluorobenzene	119%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU03		
Lab Sample ID:	F14979-25	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	76.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018536.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.71 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	92.6	69	14	ug/kg	
71-43-2	Benzene	ND	6.9	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	2.8	ug/kg	
75-25-2	Bromoform	ND	6.9	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	2.8	ug/kg	
75-00-3	Chloroethane	ND	6.9	4.2	ug/kg	
67-66-3	Chloroform	ND	6.9	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	6.9	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	6.9	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.9	2.8	ug/kg	
100-42-5	Styrene	ND	6.9	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	2.8	ug/kg	
108-88-3	Toluene	ND	6.9	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU03		
Lab Sample ID:	F14979-25	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	76.6
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.9	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	99%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-04		
Lab Sample ID:	F14979-1	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018479.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.46 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	14	ug/kg	
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-102-04		
Lab Sample ID:	F14979-1	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

(a) En Core sampler was not properly capped; results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-06		
Lab Sample ID:	F14979-2	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018522.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.30 g	5.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	35000	6900	ug/kg	
71-43-2	Benzene	ND	3500	1400	ug/kg	
75-27-4	Bromodichloromethane	ND	3500	1400	ug/kg	
75-25-2	Bromoform	ND	3500	1400	ug/kg	
108-90-7	Chlorobenzene	ND	3500	1400	ug/kg	
75-00-3	Chloroethane	ND	3500	2100	ug/kg	
67-66-3	Chloroform	ND	3500	1400	ug/kg	
75-15-0	Carbon disulfide	ND	3500	1400	ug/kg	
56-23-5	Carbon tetrachloride	ND	3500	1400	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3500	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3500	1400	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3500	1400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3500	1400	ug/kg	
124-48-1	Dibromochloromethane	ND	3500	1400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3500	1400	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3500	1400	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3500	1400	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3500	1400	ug/kg	
100-41-4	Ethylbenzene	ND	3500	1400	ug/kg	
591-78-6	2-Hexanone	ND	17000	6900	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17000	6900	ug/kg	
74-83-9	Methyl bromide	ND	3500	1400	ug/kg	
74-87-3	Methyl chloride	ND	3500	1400	ug/kg	
75-09-2	Methylene chloride	ND	6900	3500	ug/kg	
78-93-3	Methyl ethyl ketone	ND	17000	6900	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	3500	1400	ug/kg	
100-42-5	Styrene	ND	3500	1400	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3500	1400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3500	1400	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3500	1400	ug/kg	
127-18-4	Tetrachloroethylene	ND	3500	1400	ug/kg	
108-88-3	Toluene	ND	3500	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-102-06		
Lab Sample ID:	F14979-2	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	3500	1400	ug/kg	
75-01-4	Vinyl chloride	ND	3500	1400	ug/kg	
1330-20-7	Xylene (total)	7160	10000	2800	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-04		
Lab Sample ID:	F14979-5	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018480.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.67 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	12	ug/kg	
71-43-2	Benzene	ND	5.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	2.3	ug/kg	
75-25-2	Bromoform	ND	5.8	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.5	ug/kg	
67-66-3	Chloroform	ND	5.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.8	2.3	ug/kg	
100-42-5	Styrene	ND	5.8	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	2.3	ug/kg	
108-88-3	Toluene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-04		
Lab Sample ID:	F14979-5	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.8	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	104%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	100%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-06		
Lab Sample ID:	F14979-6	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	88.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018481.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.78 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	67.0	59	12	ug/kg	
71-43-2	Benzene	ND	5.9	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.4	ug/kg	
75-25-2	Bromoform	ND	5.9	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.4	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.5	ug/kg	
67-66-3	Chloroform	ND	5.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	2.4	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.4	ug/kg	
100-42-5	Styrene	ND	5.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.4	ug/kg	
108-88-3	Toluene	ND	5.9	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-109-06		
Lab Sample ID:	F14979-6	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	88.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-04		
Lab Sample ID:	F14979-7	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018484.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.4	61	12	ug/kg	J
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.7	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	6.8	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-113-04		
Lab Sample ID:	F14979-7	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.5
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	40.3	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-06		
Lab Sample ID:	F14979-8	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018524.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.48 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	660	ug/kg	
71-43-2	Benzene	ND	330	130	ug/kg	
75-27-4	Bromodichloromethane	ND	330	130	ug/kg	
75-25-2	Bromoform	ND	330	130	ug/kg	
108-90-7	Chlorobenzene	ND	330	130	ug/kg	
75-00-3	Chloroethane	ND	330	200	ug/kg	
67-66-3	Chloroform	ND	330	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	130	ug/kg	
124-48-1	Dibromochloromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	130	ug/kg	
100-41-4	Ethylbenzene	3150	330	130	ug/kg	
591-78-6	2-Hexanone	ND	1600	660	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	660	ug/kg	
74-83-9	Methyl bromide	ND	330	130	ug/kg	
74-87-3	Methyl chloride	ND	330	130	ug/kg	
75-09-2	Methylene chloride	ND	660	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	660	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	330	130	ug/kg	
100-42-5	Styrene	ND	330	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	130	ug/kg	
108-88-3	Toluene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-113-06		
Lab Sample ID:	F14979-8	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	330	130	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
1330-20-7	Xylene (total)	12400	980	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	116%		77-133%
17060-07-0	1,2-Dichloroethane-D4	85%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-04		
Lab Sample ID:	F14979-21	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018517.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.66 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	12	ug/kg	
71-43-2	Benzene	ND	5.9	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.3	ug/kg	
75-25-2	Bromoform	ND	5.9	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.5	ug/kg	
67-66-3	Chloroform	ND	5.9	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.3	ug/kg	
100-42-5	Styrene	ND	5.9	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.3	ug/kg	
108-88-3	Toluene	ND	5.9	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-114-04		
Lab Sample ID:	F14979-21	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.6
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-06		
Lab Sample ID:	F14979-22	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018526.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.60 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	590	ug/kg	
71-43-2	Benzene	ND	300	120	ug/kg	
75-27-4	Bromodichloromethane	ND	300	120	ug/kg	
75-25-2	Bromoform	ND	300	120	ug/kg	
108-90-7	Chlorobenzene	ND	300	120	ug/kg	
75-00-3	Chloroethane	ND	300	180	ug/kg	
67-66-3	Chloroform	ND	300	120	ug/kg	
75-15-0	Carbon disulfide	ND	300	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	120	ug/kg	
124-48-1	Dibromochloromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	120	ug/kg	
100-41-4	Ethylbenzene	ND	300	120	ug/kg	
591-78-6	2-Hexanone	ND	1500	590	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	590	ug/kg	
74-83-9	Methyl bromide	ND	300	120	ug/kg	
74-87-3	Methyl chloride	ND	300	120	ug/kg	
75-09-2	Methylene chloride	ND	590	300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	590	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	300	120	ug/kg	
100-42-5	Styrene	ND	300	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	120	ug/kg	
108-88-3	Toluene	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-114-06		
Lab Sample ID:	F14979-22	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	300	120	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
1330-20-7	Xylene (total)	ND	890	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	88%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-04		
Lab Sample ID:	F14979-19	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	94.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018516.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.41 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.2	60	12	ug/kg	J
71-43-2	Benzene	ND	6.0	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	2.4	ug/kg	
75-25-2	Bromoform	ND	6.0	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.0	3.6	ug/kg	
67-66-3	Chloroform	ND	6.0	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
100-41-4	Ethylbenzene	3.6	6.0	2.4	ug/kg	J
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.0	2.4	ug/kg	
100-42-5	Styrene	ND	6.0	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	2.4	ug/kg	
108-88-3	Toluene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-116-04		
Lab Sample ID:	F14979-19	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	94.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.0	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
1330-20-7	Xylene (total)	19.7	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-06		
Lab Sample ID:	F14979-20	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018525.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.10 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	640	ug/kg	
71-43-2	Benzene	ND	320	130	ug/kg	
75-27-4	Bromodichloromethane	ND	320	130	ug/kg	
75-25-2	Bromoform	ND	320	130	ug/kg	
108-90-7	Chlorobenzene	ND	320	130	ug/kg	
75-00-3	Chloroethane	ND	320	190	ug/kg	
67-66-3	Chloroform	ND	320	130	ug/kg	
75-15-0	Carbon disulfide	ND	320	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	320	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	130	ug/kg	
124-48-1	Dibromochloromethane	ND	320	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	320	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	320	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	130	ug/kg	
100-41-4	Ethylbenzene	2950	320	130	ug/kg	
591-78-6	2-Hexanone	ND	1600	640	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	640	ug/kg	
74-83-9	Methyl bromide	ND	320	130	ug/kg	
74-87-3	Methyl chloride	ND	320	130	ug/kg	
75-09-2	Methylene chloride	ND	640	320	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	640	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	320	130	ug/kg	
100-42-5	Styrene	ND	320	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	320	130	ug/kg	
108-88-3	Toluene	249	320	130	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-116-06		
Lab Sample ID:	F14979-20	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	320	130	ug/kg	
75-01-4	Vinyl chloride	ND	320	130	ug/kg	
1330-20-7	Xylene (total)	12800	960	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	112%		77-133%
17060-07-0	1,2-Dichloroethane-D4	85%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-04		
Lab Sample ID:	F14979-9	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018485.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.38 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	91.1	68	14	ug/kg	
71-43-2	Benzene	ND	6.8	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	2.7	ug/kg	
75-25-2	Bromoform	ND	6.8	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.8	4.1	ug/kg	
67-66-3	Chloroform	ND	6.8	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
100-41-4	Ethylbenzene	17.9	6.8	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.8	2.7	ug/kg	
100-42-5	Styrene	ND	6.8	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	2.7	ug/kg	
108-88-3	Toluene	ND	6.8	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-117-04		
Lab Sample ID:	F14979-9	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.0
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	80.4	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	124%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-06		
Lab Sample ID:	F14979-10	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	89.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018514.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.21 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.5	67	13	ug/kg	J
71-43-2	Benzene	ND	6.7	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	2.7	ug/kg	
75-25-2	Bromoform	ND	6.7	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.7	4.0	ug/kg	
67-66-3	Chloroform	ND	6.7	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	2.7	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	2.7	ug/kg	
108-88-3	Toluene	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-117-06		
Lab Sample ID:	F14979-10	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	89.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.7	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-04		
Lab Sample ID:	F14979-3	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018513.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.76 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.8	57	11	ug/kg	J
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	2.6	5.7	2.3	ug/kg	J
591-78-6	2-Hexanone	ND	29	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.7	2.3	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-118-04		
Lab Sample ID:	F14979-3	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
1330-20-7	Xylene (total)	13.8	17	4.6	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-08		
Lab Sample ID:	F14979-4	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018523.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2	H018538.D	1	10/17/02	NAF	n/a	n/a	VH644

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.58 g	5.0 ml	50.0 ul
Run #2	4.58 g	5.0 ml	25.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6600	1300	ug/kg	
71-43-2	Benzene	ND	660	260	ug/kg	
75-27-4	Bromodichloromethane	ND	660	260	ug/kg	
75-25-2	Bromoform	ND	660	260	ug/kg	
108-90-7	Chlorobenzene	ND	660	260	ug/kg	
75-00-3	Chloroethane	ND	660	400	ug/kg	
67-66-3	Chloroform	ND	660	260	ug/kg	
75-15-0	Carbon disulfide	ND	660	260	ug/kg	
56-23-5	Carbon tetrachloride	ND	660	260	ug/kg	
75-34-3	1,1-Dichloroethane	ND	660	260	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	660	260	ug/kg	
107-06-2	1,2-Dichloroethane	ND	660	260	ug/kg	
78-87-5	1,2-Dichloropropane	ND	660	260	ug/kg	
124-48-1	Dibromochloromethane	ND	660	260	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	660	260	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	660	260	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	660	260	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	660	260	ug/kg	
100-41-4	Ethylbenzene	20000	660	260	ug/kg	
591-78-6	2-Hexanone	ND	3300	1300	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3300	1300	ug/kg	
74-83-9	Methyl bromide	ND	660	260	ug/kg	
74-87-3	Methyl chloride	ND	660	260	ug/kg	
75-09-2	Methylene chloride	ND	1300	660	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3300	1300	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	660	260	ug/kg	
100-42-5	Styrene	ND	660	260	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	660	260	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	660	260	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	660	260	ug/kg	
127-18-4	Tetrachloroethylene	ND	660	260	ug/kg	
108-88-3	Toluene	3060	660	260	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-118-08		
Lab Sample ID:	F14979-4	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	660	260	ug/kg	
75-01-4	Vinyl chloride	ND	660	260	ug/kg	
1330-20-7	Xylene (total)	93400 [a]	4000	1100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	96%	70-130%
2037-26-5	Toluene-D8	128%	113%	79-121%
460-00-4	4-Bromofluorobenzene	129%	110%	77-133%
17060-07-0	1,2-Dichloroethane-D4	90%	91%	72-133%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-04		
Lab Sample ID:	F14979-17	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018492.D	1	10/16/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.30 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-04		
Lab Sample ID:	F14979-17	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	107%		72-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-06		
Lab Sample ID:	F14979-18	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	85.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018515.D	1	10/16/02	NAF	n/a	n/a	VH643
Run #2							

	Initial Weight
Run #1	4.70 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	51.4	62	12	ug/kg	J
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-119-06		
Lab Sample ID:	F14979-18	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	85.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-04		
Lab Sample ID:	F14979-11	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018486.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.64 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	12	ug/kg	
71-43-2	Benzene	ND	5.9	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.4	ug/kg	
75-25-2	Bromoform	ND	5.9	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.4	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.6	ug/kg	
67-66-3	Chloroform	ND	5.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.4	ug/kg	
100-42-5	Styrene	ND	5.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.4	ug/kg	
108-88-3	Toluene	ND	5.9	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-120-04		
Lab Sample ID:	F14979-11	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-06		
Lab Sample ID:	F14979-12	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018487.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.24 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	70	14	ug/kg	
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-120-06		
Lab Sample ID:	F14979-12	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	104%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	85%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-04		
Lab Sample ID:	F14979-13	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	74.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018488.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.41 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	76	15	ug/kg	
71-43-2	Benzene	ND	7.6	3.0	ug/kg	
75-27-4	Bromodichloromethane	ND	7.6	3.0	ug/kg	
75-25-2	Bromoform	ND	7.6	3.0	ug/kg	
108-90-7	Chlorobenzene	ND	7.6	3.0	ug/kg	
75-00-3	Chloroethane	ND	7.6	4.6	ug/kg	
67-66-3	Chloroform	ND	7.6	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	7.6	3.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.6	3.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.6	3.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.6	3.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.6	3.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.6	3.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.6	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.6	3.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.6	3.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.6	3.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.6	3.0	ug/kg	
100-41-4	Ethylbenzene	ND	7.6	3.0	ug/kg	
591-78-6	2-Hexanone	ND	38	15	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	38	15	ug/kg	
74-83-9	Methyl bromide	ND	7.6	3.0	ug/kg	
74-87-3	Methyl chloride	ND	7.6	3.0	ug/kg	
75-09-2	Methylene chloride	ND	15	7.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	38	15	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.6	3.0	ug/kg	
100-42-5	Styrene	ND	7.6	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.6	3.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.6	3.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.6	3.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.6	3.0	ug/kg	
108-88-3	Toluene	ND	7.6	3.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-121-04		
Lab Sample ID:	F14979-13	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	74.7
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.6	3.0	ug/kg	
75-01-4	Vinyl chloride	ND	7.6	3.0	ug/kg	
1330-20-7	Xylene (total)	ND	23	6.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	104%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-06		
Lab Sample ID:	F14979-14	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018489.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.74 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	13	ug/kg	
71-43-2	Benzene	ND	6.3	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	2.5	ug/kg	
75-25-2	Bromoform	ND	6.3	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.8	ug/kg	
67-66-3	Chloroform	ND	6.3	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.3	2.5	ug/kg	
100-42-5	Styrene	ND	6.3	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	2.5	ug/kg	
108-88-3	Toluene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-121-06		
Lab Sample ID:	F14979-14	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.3	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	105%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-04		
Lab Sample ID:	F14979-15	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018490.D	1	10/15/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.55 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.7	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-122-04		
Lab Sample ID:	F14979-15	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	108%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-06		
Lab Sample ID:	F14979-16	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	82.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018491.D	1	10/16/02	NAF	n/a	n/a	VH642
Run #2							

	Initial Weight
Run #1	4.67 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	17.3	65	13	ug/kg	J
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-122-06		
Lab Sample ID:	F14979-16	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8260B	**Percent Solids:**	82.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	104%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU01		
Lab Sample ID:	F14979-23	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014856.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	73	ug/kg	
208-96-8	Acenaphthylene	ND	290	73	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	15	ug/kg	
218-01-9	Chrysene	ND	58	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	15	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		41-123%
321-60-8	2-Fluorobiphenyl	90%		46-122%
1718-51-0	Terphenyl-d14	116%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU02		
Lab Sample ID:	F14979-24	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	89.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014857.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	108%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU03		
Lab Sample ID:	F14979-25	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	76.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014858.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	350	87	ug/kg	
208-96-8	Acenaphthylene	ND	350	87	ug/kg	
120-12-7	Anthracene	ND	350	44	ug/kg	
56-55-3	Benzo(a)anthracene	ND	70	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	70	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	70	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	70	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	17	ug/kg	
218-01-9	Chrysene	ND	70	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	17	ug/kg	
206-44-0	Fluoranthene	ND	350	44	ug/kg	
86-73-7	Fluorene	ND	350	44	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	350	44	ug/kg	
91-57-6	2-Methylnaphthalene	ND	350	44	ug/kg	
91-20-3	Naphthalene	ND	350	44	ug/kg	
85-01-8	Phenanthrene	ND	350	44	ug/kg	
129-00-0	Pyrene	ND	350	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	105%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-04		
Lab Sample ID:	F14979-1	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	80.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014819.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	340	85	ug/kg	
208-96-8	Acenaphthylene	ND	340	85	ug/kg	
120-12-7	Anthracene	ND	340	42	ug/kg	
56-55-3	Benzo(a)anthracene	ND	68	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	68	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	68	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	64.9	68	17	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	68	17	ug/kg	
218-01-9	Chrysene	ND	68	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	42.2	68	17	ug/kg	J
206-44-0	Fluoranthene	ND	340	42	ug/kg	
86-73-7	Fluorene	ND	340	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	30.1	68	17	ug/kg	J
90-12-0	1-Methylnaphthalene	ND	340	42	ug/kg	
91-57-6	2-Methylnaphthalene	ND	340	42	ug/kg	
91-20-3	Naphthalene	ND	340	42	ug/kg	
85-01-8	Phenanthrene	ND	340	42	ug/kg	
129-00-0	Pyrene	ND	340	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		41-123%
321-60-8	2-Fluorobiphenyl	90%		46-122%
1718-51-0	Terphenyl-d14	105%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-06		
Lab Sample ID:	F14979-2	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L014820.D	20	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1500	380	ug/kg	
208-96-8	Acenaphthylene	ND	1500	380	ug/kg	
120-12-7	Anthracene	ND	1500	190	ug/kg	
56-55-3	Benzo(a)anthracene	ND	310	76	ug/kg	
50-32-8	Benzo(a)pyrene	ND	310	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	310	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	310	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	310	76	ug/kg	
218-01-9	Chrysene	ND	310	76	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	310	76	ug/kg	
206-44-0	Fluoranthene	ND	1500	190	ug/kg	
86-73-7	Fluorene	ND	1500	190	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	310	76	ug/kg	
90-12-0	1-Methylnaphthalene	5380	1500	190	ug/kg	
91-57-6	2-Methylnaphthalene	5670	1500	190	ug/kg	
91-20-3	Naphthalene	3230	1500	190	ug/kg	
85-01-8	Phenanthrene	ND	1500	190	ug/kg	
129-00-0	Pyrene	ND	1500	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [b]		41-123%
321-60-8	2-Fluorobiphenyl	0% [b]		46-122%
1718-51-0	Terphenyl-d14	0% [b]		45-135%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-04		
Lab Sample ID:	F14979-5	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014823.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-06		
Lab Sample ID:	F14979-6	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014824.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	105%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-04		
Lab Sample ID:	F14979-7	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014827.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	74	ug/kg	
208-96-8	Acenaphthylene	ND	300	74	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	59	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	59	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	59	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	59	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	59	15	ug/kg	
218-01-9	Chrysene	ND	59	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	59	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	39.2	300	37	ug/kg	J
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		41-123%
321-60-8	2-Fluorobiphenyl	96%		46-122%
1718-51-0	Terphenyl-d14	118%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-06		
Lab Sample ID:	F14979-8	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014828.D	20	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	494	1600	400	ug/kg	J
208-96-8	Acenaphthylene	ND	1600	400	ug/kg	
120-12-7	Anthracene	393	1600	200	ug/kg	J
56-55-3	Benzo(a)anthracene	245	320	80	ug/kg	J
50-32-8	Benzo(a)pyrene	144	320	80	ug/kg	J
205-99-2	Benzo(b)fluoranthene	188	320	80	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	320	80	ug/kg	
207-08-9	Benzo(k)fluoranthene	81.7	320	80	ug/kg	J
218-01-9	Chrysene	249	320	80	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	320	80	ug/kg	
206-44-0	Fluoranthene	924	1600	200	ug/kg	J
86-73-7	Fluorene	648	1600	200	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	320	80	ug/kg	
90-12-0	1-Methylnaphthalene	18400	1600	200	ug/kg	
91-57-6	2-Methylnaphthalene	23300	1600	200	ug/kg	
91-20-3	Naphthalene	11200	1600	200	ug/kg	
85-01-8	Phenanthrene	1430	1600	200	ug/kg	J
129-00-0	Pyrene	834	1600	200	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-04		
Lab Sample ID:	F14979-21	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014854.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	109%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-06		
Lab Sample ID:	F14979-22	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014855.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	108	290	36	ug/kg	J
91-57-6	2-Methylnaphthalene	128	290	36	ug/kg	J
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	38.1	290	36	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	98%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-04		
Lab Sample ID:	F14979-19	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	94.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014849.D	4	10/15/02	ME	10/11/02	OP6093	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	71	ug/kg	
208-96-8	Acenaphthylene	ND	290	71	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	160	290	36	ug/kg	J
91-57-6	2-Methylnaphthalene	208	290	36	ug/kg	J
91-20-3	Naphthalene	107	290	36	ug/kg	J
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		41-123%
321-60-8	2-Fluorobiphenyl	91%		46-122%
1718-51-0	Terphenyl-d14	106%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-06		
Lab Sample ID:	F14979-20	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014850.D	10	10/15/02	ME	10/11/02	OP6093	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	224	680	170	ug/kg	J
208-96-8	Acenaphthylene	ND	680	170	ug/kg	
120-12-7	Anthracene	ND	680	85	ug/kg	
56-55-3	Benzo(a)anthracene	48.3	140	34	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	140	34	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	140	34	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	140	34	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	140	34	ug/kg	
218-01-9	Chrysene	37.2	140	34	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	140	34	ug/kg	
206-44-0	Fluoranthene	168	680	85	ug/kg	J
86-73-7	Fluorene	319	680	85	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	34	ug/kg	
90-12-0	1-Methylnaphthalene	12200	680	85	ug/kg	
91-57-6	2-Methylnaphthalene	15700	680	85	ug/kg	
91-20-3	Naphthalene	8760	680	85	ug/kg	
85-01-8	Phenanthrene	333	680	85	ug/kg	J
129-00-0	Pyrene	149	680	85	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	99%		46-122%
1718-51-0	Terphenyl-d14	115%		45-135%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-04		
Lab Sample ID:	F14979-9	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014829.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	82	ug/kg	
208-96-8	Acenaphthylene	ND	330	82	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	80%		46-122%
1718-51-0	Terphenyl-d14	96%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-06		
Lab Sample ID:	F14979-10	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	89.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014830.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	76	ug/kg	
208-96-8	Acenaphthylene	ND	310	76	ug/kg	
120-12-7	Anthracene	ND	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	61	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	310	38	ug/kg	
86-73-7	Fluorene	ND	310	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	38	ug/kg	
91-20-3	Naphthalene	39.0	310	38	ug/kg	J
85-01-8	Phenanthrene	ND	310	38	ug/kg	
129-00-0	Pyrene	ND	310	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	82%		46-122%
1718-51-0	Terphenyl-d14	103%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-04		
Lab Sample ID:	F14979-3	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014821.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	51.6	300	37	ug/kg	J
91-57-6	2-Methylnaphthalene	45.6	300	37	ug/kg	J
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	91%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-08		
Lab Sample ID:	F14979-4	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014822.D	20	10/14/02	ME	10/11/02	OP6093	SL821
Run #2	L014851.D	50	10/15/02	ME	10/11/02	OP6093	SL822

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2	29.7 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1600	410	ug/kg	
208-96-8	Acenaphthylene	ND	1600	410	ug/kg	
120-12-7	Anthracene	ND	1600	200	ug/kg	
56-55-3	Benzo(a)anthracene	ND	330	82	ug/kg	
50-32-8	Benzo(a)pyrene	ND	330	82	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	330	82	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	330	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	330	82	ug/kg	
218-01-9	Chrysene	ND	330	82	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	330	82	ug/kg	
206-44-0	Fluoranthene	ND	1600	200	ug/kg	
86-73-7	Fluorene	843	1600	200	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330	82	ug/kg	
90-12-0	1-Methylnaphthalene	50100 [a]	4100	510	ug/kg	
91-57-6	2-Methylnaphthalene	62900 [a]	4100	510	ug/kg	
91-20-3	Naphthalene	33600	1600	200	ug/kg	
85-01-8	Phenanthrene	350	1600	200	ug/kg	J
129-00-0	Pyrene	ND	1600	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [b]	0% [b]	41-123%
321-60-8	2-Fluorobiphenyl	0% [b]	0% [b]	46-122%
1718-51-0	Terphenyl-d14	0% [b]	0% [b]	45-135%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-04		
Lab Sample ID:	F14979-17	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014837.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	69	ug/kg	
208-96-8	Acenaphthylene	ND	280	69	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	56	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	56	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	56	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	56	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	56	14	ug/kg	
218-01-9	Chrysene	ND	56	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	56	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	56	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	82%		46-122%
1718-51-0	Terphenyl-d14	101%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-06		
Lab Sample ID:	F14979-18	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014838.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	31.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		41-123%
321-60-8	2-Fluorobiphenyl	79%		46-122%
1718-51-0	Terphenyl-d14	103%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-04		
Lab Sample ID:	F14979-11	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014831.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	76	ug/kg	
208-96-8	Acenaphthylene	ND	300	76	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		41-123%
321-60-8	2-Fluorobiphenyl	88%		46-122%
1718-51-0	Terphenyl-d14	103%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-06		
Lab Sample ID:	F14979-12	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014832.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	79	ug/kg	
208-96-8	Acenaphthylene	ND	310	79	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	99%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-04		
Lab Sample ID:	F14979-13	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	74.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014833.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	370	92	ug/kg	
208-96-8	Acenaphthylene	ND	370	92	ug/kg	
120-12-7	Anthracene	ND	370	46	ug/kg	
56-55-3	Benzo(a)anthracene	ND	73	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	73	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	73	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	73	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	73	18	ug/kg	
218-01-9	Chrysene	ND	73	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	73	18	ug/kg	
206-44-0	Fluoranthene	ND	370	46	ug/kg	
86-73-7	Fluorene	ND	370	46	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	73	18	ug/kg	
90-12-0	1-Methylnaphthalene	ND	370	46	ug/kg	
91-57-6	2-Methylnaphthalene	ND	370	46	ug/kg	
91-20-3	Naphthalene	ND	370	46	ug/kg	
85-01-8	Phenanthrene	ND	370	46	ug/kg	
129-00-0	Pyrene	ND	370	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	100%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-06		
Lab Sample ID:	F14979-14	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014834.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	81	ug/kg	
208-96-8	Acenaphthylene	ND	320	81	ug/kg	
120-12-7	Anthracene	ND	320	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	320	41	ug/kg	
86-73-7	Fluorene	ND	320	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	41	ug/kg	
91-20-3	Naphthalene	ND	320	41	ug/kg	
85-01-8	Phenanthrene	ND	320	41	ug/kg	
129-00-0	Pyrene	ND	320	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	106%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-04		
Lab Sample ID:	F14979-15	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014835.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	73	ug/kg	
208-96-8	Acenaphthylene	ND	290	73	ug/kg	
120-12-7	Anthracene	ND	290	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	59	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	59	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	59	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	59	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	59	15	ug/kg	
218-01-9	Chrysene	ND	59	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	290	37	ug/kg	
86-73-7	Fluorene	ND	290	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	59	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	37	ug/kg	
91-20-3	Naphthalene	ND	290	37	ug/kg	
85-01-8	Phenanthrene	ND	290	37	ug/kg	
129-00-0	Pyrene	ND	290	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	91%		46-122%
1718-51-0	Terphenyl-d14	108%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-06		
Lab Sample ID:	F14979-16	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014836.D	4	10/14/02	ME	10/11/02	OP6093	SL821
Run #2							

	Initial Weight	Final Volume
Run #1	29.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	83	ug/kg	
208-96-8	Acenaphthylene	ND	330	83	ug/kg	
120-12-7	Anthracene	ND	330	42	ug/kg	
56-55-3	Benzo(a)anthracene	ND	66	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	66	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	66	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	66	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	17	ug/kg	
218-01-9	Chrysene	ND	66	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	17	ug/kg	
206-44-0	Fluoranthene	ND	330	42	ug/kg	
86-73-7	Fluorene	ND	330	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	42	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	42	ug/kg	
91-20-3	Naphthalene	ND	330	42	ug/kg	
85-01-8	Phenanthrene	ND	330	42	ug/kg	
129-00-0	Pyrene	ND	330	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	118%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU01		
Lab Sample ID:	F14979-23	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24611.D	1	10/14/02	SKW	10/14/02	OP6107	GOP867
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	8.59	9.1	6.2	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU02		
Lab Sample ID:	F14979-24	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24612.D	1	10/14/02	SKW	10/14/02	OP6107	GOP867
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	16.2	8.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU03		
Lab Sample ID:	F14979-25	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	76.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24613.D	1	10/14/02	SKW	10/14/02	OP6107	GOP867
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	11	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-04		
Lab Sample ID:	F14979-1	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	80.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24535.D	1	10/11/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	14.5	10	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-102-06		
Lab Sample ID:	F14979-2	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24571.D	500	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	21500	4900	3300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-04		
Lab Sample ID:	F14979-5	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24574.D	1	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	13.3	8.9	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-109-06		
Lab Sample ID:	F14979-6	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	88.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OP24541.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		57-127%

(a) Spike recovery indicates possible sample nonhomogeneity.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-04		
Lab Sample ID:	F14979-7	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24544.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	16.7	9.0	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-113-06		
Lab Sample ID:	F14979-8	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24575.D	100	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7720	980	660	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-04		
Lab Sample ID:	F14979-21	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24609.D	1	10/14/02	SKW	10/14/02	OP6107	GOP867
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	17.7	9.0	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-114-06		
Lab Sample ID:	F14979-22	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24637.D	100	10/15/02	SKW	10/14/02	OP6107	GOP868
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4830	900	610	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-04		
Lab Sample ID:	F14979-19	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	94.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24557.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	22.5	8.5	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-116-06		
Lab Sample ID:	F14979-20	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	95.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24577.D	100	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4220	870	590	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-04		
Lab Sample ID:	F14979-9	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24576.D	1	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	45.7	9.8	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-117-06		
Lab Sample ID:	F14979-10	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24547.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	29.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	9.41	9.6	6.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-04		
Lab Sample ID:	F14979-3	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24572.D	1	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	27.2	9.2	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-118-08		
Lab Sample ID:	F14979-4	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24573.D	500	10/12/02	SKW	10/10/02	OP6077	GOP866
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	19400	4800	3300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-04		
Lab Sample ID:	F14979-17	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24555.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	8.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-119-06		
Lab Sample ID:	F14979-18	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24556.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.6	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-04		
Lab Sample ID:	F14979-11	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24548.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	8.42	9.0	6.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-120-06		
Lab Sample ID:	F14979-12	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24549.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	8.37	9.7	6.6	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-04		
Lab Sample ID:	F14979-13	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	74.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24550.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	11	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-121-06		
Lab Sample ID:	F14979-14	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24552.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-04		
Lab Sample ID:	F14979-15	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24553.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	8.9	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-122-06		
Lab Sample ID:	F14979-16	**Date Sampled:**	10/08/02
Matrix:	SO - Soil	**Date Received:**	10/09/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24554.D	1	10/12/02	SKW	10/10/02	OP6077	GOP865
Run #2							

	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**NOVEMBER 5, 2002**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOA/PAH/TPH CTO 078, NAS CECIL FIELD SDG F14990**		
SAMPLES:	27/Solid		

CEF-293-SU-107-04	CEF-293-SU-107-06	CEF-293-SU-108-04
CEF-293-SU-108-06	CEF-293-SU-111-04	CEF-293-SU-111-06
CEF-293-SU-112-04	CEF-293-SU-123-04	CEF-293-SU-123-06
CEF-293-SU-124-04	CEF-293-SU-124-06	CEF-293-SU-125-04
CEF-293-SU-125-06	CEF-293-SU-126-04	CEF-293-SU-126-06
CEF-293-SU-127-04	CEF-293-SU-127-06	CEF-293-SU-128-04
CEF-293-SU-128-06	CEF-293-SU-129-04	CEF-293-SU-129-06
CEF-293-SU-130-04	CEF-293-SU-130-06	CEF-293-DU04
CEF-293-DU05	CEF-293-SU-127-01	CEF-293-SU-112-07

OVERVIEW

The sample set for CTO 078 NAS Cecil Field, SDG F14990 consists of two (2) field duplicates and twenty-five (25) solid environmental samples. The samples were analyzed for volatile organic compound (VOAs), polynuclear aromatic hydrocarbons (PAHs), and total petroleum hydrocarbons (TPH). Two (2) field duplicate pairs were included in this SDG: CEF-293-SU-107-04 / CEF-293-DU04 and CEF-293-SU-128-06 / CEF-293-DU05.

The samples were collected by TetraTech NUS on October 9, 2002 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8270C-SIM, and Florida-PRO analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial/continuing calibrations
* • Laboratory method blank results
* • Field Duplicate Results
* • Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

Field duplicate imprecision (RPD >50%) was noted for acetone, ethylbenzene, and total xylene for the CEF-

293-SU-107-04/CEF-293-DU04 duplicate pair. The aforementioned results for the duplicate pair CEF-293-SU-107-04/CEF-293-DU04 were qualified as estimated, "J".

Samples CEF-293-SU-107-06, CEF-293-SU-108-06, CEF-293-SU-111-04, CEF-293-SU-111-06, CEF-293-SU-127-06, and CEF-293-SU-112-07 were analyzed at medium level dilutions due to high concentration of ethylbenzene, total xylenes, or acetone. Undiluted analyses were not provided for the diluted samples.

PAHs

Samples CEF-293-SU-107-06, CEF-293-SU-108-06, CEF-293-SU-111-04, CEF-293-SU-111-06, CEF-293-SU-127-06, CEF-293-SU-125-06, and CEF-293-SU-112-07 required dilutions due to high concentrations of PAHs. The dilutions resulted in elevated reporting limits for non-detected compounds.

TPH

Field duplicate imprecision (RPD >50%) was noted for TPH for the CEF-293-SU-107-04/CEF-293-DU04 duplicate pair. The TPH results for the duplicate pair CEF-293-SU-107-04/CEF-293-DU04 were qualified as estimated, "J".

Samples CEF-293-SU-107-06, CEF-293-SU-108-06, CEF-293-SU-111-04, CEF-293-SU-111-06, CEF-293-SU-127-06, and CEF-293-SU-112-07 required dilutions due to high concentrations of TPH.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: Several samples required dilutions due to high concentrations of target compounds. Field duplicate imprecision was noted for several VOA compounds and TPH.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines IRCDQM (Sept., 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A	=	Lab Blank Contamination
B	=	Field Blank Contamination
C	=	Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D	=	MS/MSD Noncompliance
E	=	LCS/LCSD Noncompliance
F	=	Lab Duplicate Imprecision
G	=	Field Duplicate Imprecision
H	=	Holding Time Exceedance
I	=	ICP Serial Dilution Noncompliance
J	=	GFAA PDS - GFAA MSA's $r < 0.995$
K	=	ICP Interference - include ICSAB % R's
L	=	Instrument Calibration Range Exceedance
M	=	Sample Preservation
N	=	Internal Standard Noncompliance
N01	=	Internal Standard Noncompliance Dioxins
N02	=	Recovery Standard Noncompliance Dioxins
N03	=	Clean-up Standard Noncompliance Dioxins
O	=	Poor Instrument Performance (i.e., base-time drifting)
P	=	Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q	=	Other problems (can encompass a number of issues)
R	=	Surrogates Recovery Noncompliance
S	=	Pesticide/PCB Resolution
T	=	% Breakdown Noncompliance for DDT and Endrin
U	=	Pest/PCD% between columns for positive results
V	=	Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W	=	EMPC result
X	=	Signal to noise response drop
Y	=	Percent solids <30%
Z	=	Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU04
samp_date	10/9/2002
lab_id	F14990-24
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	CEF-293-SU-107-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.6	U	
1,1,2,2-TETRACHLOROETHANE	6.6	U	
1,1,2-TRICHLOROETHANE	6.6	U	
1,1-DICHLOROETHANE	6.6	U	
1,1-DICHLOROETHENE	6.6	U	
1,2-DICHLOROETHANE	6.6	U	
1,2-DICHLOROPROPANE	6.6	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	121	J	G
BENZENE	6.6	U	
BROMODICHLOROMETHANE	6.6	U	
BROMOFORM	6.6	U	
BROMOMETHANE	6.6	U	
CARBON DISULFIDE	6.6	U	
CARBON TETRACHLORIDE	6.6	U	
CHLOROBENZENE	6.6	U	
CHLORODIBROMOMETHANE	6.6	U	
CHLOROETHANE	6.6	U	
CHLOROFORM	6.6	U	
CHLOROMETHANE	6.6	U	
CIS-1,2-DICHLOROETHENE	6.6	U	
CIS-1,3-DICHLOROPROPENE	6.6	U	
ETHYLBENZENE	7.1	J	G
METHYL TERT-BUTYL ETHER	6.6	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.6	U	
TETRACHLOROETHENE	6.6	U	
TOLUENE	6.6	U	

nsample	CEF-293-DU04
samp_date	10/9/2002
lab_id	F14990-24
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	CEF-293-SU-107-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	40.9	J	G
TRANS-1,2-DICHLOROETHENE	6.6	U	
TRANS-1,3-DICHLOROPROPENE	6.6	U	
TRICHLOROETHENE	6.6	U	
VINYL CHLORIDE	6.6	U	

nsample	CEF-293-DU05
samp_date	10/9/2002
lab_id	F14990-25
qc_type	NM
units	UG/KG
Pct_Solids	82.9
DUP_OF:	CEF-293-SU-128-06

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.9	U	
1,1,2,2-TETRACHLOROETHANE	6.9	U	
1,1,2-TRICHLOROETHANE	6.9	U	
1,1-DICHLOROETHANE	6.9	U	
1,1-DICHLOROETHENE	6.9	U	
1,2-DICHLOROETHANE	6.9	U	
1,2-DICHLOROPROPANE	6.9	U	
2-BUTANONE	34	U	
2-HEXANONE	34	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	18	J	P
BENZENE	6.9	U	
BROMODICHLOROMETHANE	6.9	U	
BROMOFORM	6.9	U	
BROMOMETHANE	6.9	U	
CARBON DISULFIDE	6.9	U	
CARBON TETRACHLORIDE	6.9	U	
CHLOROBENZENE	6.9	U	
CHLORODIBROMOMETHANE	6.9	U	
CHLOROETHANE	6.9	U	
CHLOROFORM	6.9	U	
CHLOROMETHANE	6.9	U	
CIS-1,2-DICHLOROETHENE	6.9	U	
CIS-1,3-DICHLOROPROPENE	6.9	U	
ETHYLBENZENE	6.9	U	
METHYL TERT-BUTYL ETHER	6.9	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.9	U	
TETRACHLOROETHENE	6.9	U	
TOLUENE	6.9	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU05
samp_date	10/9/2002
lab_id	F14990-25
qc_type	NM
units	UG/KG
Pct_Solids	82.9
DUP_OF:	CEF-293-SU-128-06

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	6.9	U	
TRANS-1,3-DICHLOROPROPENE	6.9	U	
TRICHLOROETHENE	6.9	U	
VINYL CHLORIDE	6.9	U	

nsample	CEF-293-SU-107-04
samp_date	10/9/2002
lab_id	F14990-1
qc_type	NM
units	UG/KG
Pct_Solids	88.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	14.1	J	GP
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	26.2	J	G
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	3.2	J	P

nsample	CEF-293-SU-107-04
samp_date	10/9/2002
lab_id	F14990-1
qc_type	NM
units	UG/KG
Pct_Solids	88.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	92.8	J	G
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-107-06
samp_date	10/9/2002
lab_id	F14990-2
qc_type	NM
units	UG/KG
Pct_Solids	93.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1400	U	
1,1,2,2-TETRACHLOROETHANE	1400	U	
1,1,2-TRICHLOROETHANE	1400	U	
1,1-DICHLOROETHANE	1400	U	
1,1-DICHLOROETHENE	1400	U	
1,2-DICHLOROETHANE	1400	U	
1,2-DICHLOROPROPANE	1400	U	
2-BUTANONE	6800	U	
2-HEXANONE	6800	U	
4-METHYL-2-PENTANONE	6800	U	
ACETONE	14000	U	
BENZENE	1400	U	
BROMODICHLOROMETHANE	1400	U	
BROMOFORM	1400	U	
BROMOMETHANE	1400	U	
CARBON DISULFIDE	1400	U	
CARBON TETRACHLORIDE	1400	U	
CHLOROBENZENE	1400	U	
CHLORODIBROMOMETHANE	1400	U	
CHLOROETHANE	1400	U	
CHLOROFORM	1400	U	
CHLOROMETHANE	1400	U	
CIS-1,2-DICHLOROETHENE	1400	U	
CIS-1,3-DICHLOROPROPENE	1400	U	
ETHYLBENZENE	3300		
METHYL TERT-BUTYL ETHER	1400	U	
METHYLENE CHLORIDE	2700	U	
STYRENE	1400	U	
TETRACHLOROETHENE	1400	U	
TOLUENE	1400	U	

nsample	CEF-293-SU-107-06
samp_date	10/9/2002
lab_id	F14990-2
qc_type	NM
units	UG/KG
Pct_Solids	93.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20600		
TRANS-1,2-DICHLOROETHENE	1400	U	
TRANS-1,3-DICHLOROPROPENE	1400	U	
TRICHLOROETHENE	1400	U	
VINYL CHLORIDE	1400	U	

nsample	CEF-293-SU-108-04
samp_date	10/9/2002
lab_id	F14990-3
qc_type	NM
units	UG/KG
Pct_Solids	92.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	18.9	J	P
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	5.9	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	5.9	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	5.9	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	13.2		
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-108-04
samp_date	10/9/2002
lab_id	F14990-3
qc_type	NM
units	UG/KG
Pct_Solids	92.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	67.6		
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	5.9	U	

nsample	CEF-293-SU-108-06
samp_date	10/9/2002
lab_id	F14990-4
qc_type	NM
units	UG/KG
Pct_Solids	81.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	340	U	
1,1,2,2-TETRACHLOROETHANE	340	U	
1,1,2-TRICHLOROETHANE	340	U	
1,1-DICHLOROETHANE	340	U	
1,1-DICHLOROETHENE	340	U	
1,2-DICHLOROETHANE	340	U	
1,2-DICHLOROPROPANE	340	U	
2-BUTANONE	1700	U	
2-HEXANONE	1700	U	
4-METHYL-2-PENTANONE	1700	U	
ACETONE	3400	U	
BENZENE	340	U	
BROMODICHLOROMETHANE	340	U	
BROMOFORM	340	U	
BROMOMETHANE	340	U	
CARBON DISULFIDE	340	U	
CARBON TETRACHLORIDE	340	U	
CHLOROBENZENE	340	U	
CHLORODIBROMOMETHANE	340	U	
CHLOROETHANE	340	U	
CHLOROFORM	340	U	
CHLOROMETHANE	340	U	
CIS-1,2-DICHLOROETHENE	340	U	
CIS-1,3-DICHLOROPROPENE	340	U	
ETHYLBENZENE	2820		
METHYL TERT-BUTYL ETHER	340	U	
METHYLENE CHLORIDE	670	U	
STYRENE	340	U	
TETRACHLOROETHENE	340	U	
TOLUENE	246	J	P

nsample	CEF-293-SU-108-06
samp_date	10/9/2002
lab_id	F14990-4
qc_type	NM
units	UG/KG
Pct_Solids	81.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	14200		
TRANS-1,2-DICHLOROETHENE	340	U	
TRANS-1,3-DICHLOROPROPENE	340	U	
TRICHLOROETHENE	340	U	
VINYL CHLORIDE	340	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-111-04
samp_date	10/9/2002
lab_id	F14990-5
qc_type	NM
units	UG/KG
Pct_Solids	87.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	350	U	
1,1,2,2-TETRACHLOROETHANE	350	U	
1,1,2-TRICHLOROETHANE	350	U	
1,1-DICHLOROETHANE	350	U	
1,1-DICHLOROETHENE	350	U	
1,2-DICHLOROETHANE	350	U	
1,2-DICHLOROPROPANE	350	U	
2-BUTANONE	1700	U	
2-HEXANONE	1700	U	
4-METHYL-2-PENTANONE	1700	U	
ACETONE	3500	U	
BENZENE	350	U	
BROMODICHLOROMETHANE	350	U	
BROMOFORM	350	U	
BROMOMETHANE	350	U	
CARBON DISULFIDE	350	U	
CARBON TETRACHLORIDE	350	U	
CHLOROBENZENE	350	U	
CHLORODIBROMOMETHANE	350	U	
CHLOROETHANE	350	U	
CHLOROFORM	350	U	
CHLOROMETHANE	350	U	
CIS-1,2-DICHLOROETHENE	350	U	
CIS-1,3-DICHLOROPROPENE	350	U	
ETHYLBENZENE	1270		
METHYL TERT-BUTYL ETHER	350	U	
METHYLENE CHLORIDE	690	U	
STYRENE	350	U	
TETRACHLOROETHENE	350	U	
TOLUENE	350	U	

nsample	CEF-293-SU-111-04
samp_date	10/9/2002
lab_id	F14990-5
qc_type	NM
units	UG/KG
Pct_Solids	87.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5910		
TRANS-1,2-DICHLOROETHENE	350	U	
TRANS-1,3-DICHLOROPROPENE	350	U	
TRICHLOROETHENE	350	U	
VINYL CHLORIDE	350	U	

nsample	CEF-293-SU-111-06
samp_date	10/9/2002
lab_id	F14990-6
qc_type	NM
units	UG/KG
Pct_Solids	83.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1900	U	
1,1,2,2-TETRACHLOROETHANE	1900	U	
1,1,2-TRICHLOROETHANE	1900	U	
1,1-DICHLOROETHANE	1900	U	
1,1-DICHLOROETHENE	1900	U	
1,2-DICHLOROETHANE	1900	U	
1,2-DICHLOROPROPANE	1900	U	
2-BUTANONE	9700	U	
2-HEXANONE	9700	U	
4-METHYL-2-PENTANONE	9700	U	
ACETONE	19000	U	
BENZENE	1900	U	
BROMODICHLOROMETHANE	1900	U	
BROMOFORM	1900	U	
BROMOMETHANE	1900	U	
CARBON DISULFIDE	1900	U	
CARBON TETRACHLORIDE	1900	U	
CHLOROBENZENE	1900	U	
CHLORODIBROMOMETHANE	1900	U	
CHLOROETHANE	1900	U	
CHLOROFORM	1900	U	
CHLOROMETHANE	1900	U	
CIS-1,2-DICHLOROETHENE	1900	U	
CIS-1,3-DICHLOROPROPENE	1900	U	
ETHYLBENZENE	13600		
METHYL TERT-BUTYL ETHER	1900	U	
METHYLENE CHLORIDE	3900	U	
STYRENE	1900	U	
TETRACHLOROETHENE	1900	U	
TOLUENE	1240	J	P

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-111-06
samp_date	10/9/2002
lab_id	F14990-6
qc_type	NM
units	UG/KG
Pct_Solids	83.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	57000		
TRANS-1,2-DICHLOROETHENE	1900	U	
TRANS-1,3-DICHLOROPROPENE	1900	U	
TRICHLOROETHENE	1900	U	
VINYL CHLORIDE	1900	U	

nsample	CEF-293-SU-112-04
samp_date	10/9/2002
lab_id	F14990-7
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	29.9	J	P
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
ETHYLBENZENE	4.8	J	P
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	

nsample	CEF-293-SU-112-04
samp_date	10/9/2002
lab_id	F14990-7
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	31.1		
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
VINYL CHLORIDE	7	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-112-07
samp_date	10/9/2002
lab_id	F14990-27
qc_type	NM
units	UG/KG
Pct_Solids	79.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2300	U	
1,1,2,2-TETRACHLOROETHANE	2300	U	
1,1,2-TRICHLOROETHANE	2300	U	
1,1-DICHLOROETHANE	2300	U	
1,1-DICHLOROETHENE	2300	U	
1,2-DICHLOROETHANE	2300	U	
1,2-DICHLOROPROPANE	2300	U	
2-BUTANONE	11000	U	
2-HEXANONE	11000	U	
4-METHYL-2-PENTANONE	11000	U	
ACETONE	23000	U	
BENZENE	2300	U	
BROMODICHLOROMETHANE	2300	U	
BROMOFORM	2300	U	
BROMOMETHANE	2300	U	
CARBON DISULFIDE	2300	U	
CARBON TETRACHLORIDE	2300	U	
CHLOROBENZENE	2300	U	
CHLORODIBROMOMETHANE	2300	U	
CHLOROETHANE	2300	U	
CHLOROFORM	2300	U	
CHLOROMETHANE	2300	U	
CIS-1,2-DICHLOROETHENE	2300	U	
CIS-1,3-DICHLOROPROPENE	2300	U	
ETHYLBENZENE	27900		
METHYL TERT-BUTYL ETHER	2300	U	
METHYLENE CHLORIDE	4500	U	
STYRENE	2300	U	
TETRACHLOROETHENE	2300	U	
TOLUENE	4720		

nsample	CEF-293-SU-112-07
samp_date	10/9/2002
lab_id	F14990-27
qc_type	NM
units	UG/KG
Pct_Solids	79.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	121000		
TRANS-1,2-DICHLOROETHENE	2300	U	
TRANS-1,3-DICHLOROPROPENE	2300	U	
TRICHLOROETHENE	2300	U	
VINYL CHLORIDE	2300	U	

nsample	CEF-293-SU-123-04
samp_date	10/9/2002
lab_id	F14990-8
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6	U	
1,1,2,2-TETRACHLOROETHANE	6	U	
1,1,2-TRICHLOROETHANE	6	U	
1,1-DICHLOROETHANE	6	U	
1,1-DICHLOROETHENE	6	U	
1,2-DICHLOROETHANE	6	U	
1,2-DICHLOROPROPANE	6	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	13.2	J	P
BENZENE	6	U	
BROMODICHLOROMETHANE	6	U	
BROMOFORM	6	U	
BROMOMETHANE	6	U	
CARBON DISULFIDE	6	U	
CARBON TETRACHLORIDE	6	U	
CHLOROBENZENE	6	U	
CHLORODIBROMOMETHANE	6	U	
CHLOROETHANE	6	U	
CHLOROFORM	6	U	
CHLOROMETHANE	6	U	
CIS-1,2-DICHLOROETHENE	6	U	
CIS-1,3-DICHLOROPROPENE	6	U	
ETHYLBENZENE	6	U	
METHYL TERT-BUTYL ETHER	6	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6	U	
TETRACHLOROETHENE	6	U	
TOLUENE	6	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-123-04
samp_date	10/9/2002
lab_id	F14990-8
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6	U	
TRANS-1,3-DICHLOROPROPENE	6	U	
TRICHLOROETHENE	6	U	
VINYL CHLORIDE	6	U	

nsample	CEF-293-SU-123-06
samp_date	10/9/2002
lab_id	F14990-9
qc_type	NM
units	UG/KG
Pct_Solids	83.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	44.7	J	P
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-123-06
samp_date	10/9/2002
lab_id	F14990-9
qc_type	NM
units	UG/KG
Pct_Solids	83.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-124-04
samp_date	10/9/2002
lab_id	F14990-10
qc_type	NM
units	UG/KG
Pct_Solids	89.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	28	U	
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	57	U	
BENZENE	5.7	U	
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	5.7	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	5.7	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	5.7	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	5.7	U	
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.7	U	
TETRACHLOROETHENE	5.7	U	
TOLUENE	5.7	U	

nsample	CEF-293-SU-124-04
samp_date	10/9/2002
lab_id	F14990-10
qc_type	NM
units	UG/KG
Pct_Solids	89.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	5.7	U	

nsample	CEF-293-SU-124-06
samp_date	10/9/2002
lab_id	F14990-11
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	26.4	J	P
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
ETHYLBENZENE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-124-06
samp_date	10/9/2002
lab_id	F14990-11
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
VINYL CHLORIDE	7	U	

nsample	CEF-293-SU-125-04
samp_date	10/9/2002
lab_id	F14990-12
qc_type	NM
units	UG/KG
Pct_Solids	84.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	23.5	J	P
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-125-04
samp_date	10/9/2002
lab_id	F14990-12
qc_type	NM
units	UG/KG
Pct_Solids	84.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-125-06
samp_date	10/9/2002
lab_id	F14990-13
qc_type	NM
units	UG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	254		
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-125-06
samp_date	10/9/2002
lab_id	F14990-13
qc_type	NM
units	UG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-SU-126-04
samp_date	10/9/2002
lab_id	F14990-14
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	64	U	
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-126-04
samp_date	10/9/2002
lab_id	F14990-14
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

nsample	CEF-293-SU-126-06
samp_date	10/9/2002
lab_id	F14990-15
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.7	U	
1,1,2,2-TETRACHLOROETHANE	6.7	U	
1,1,2-TRICHLOROETHANE	6.7	U	
1,1-DICHLOROETHANE	6.7	U	
1,1-DICHLOROETHENE	6.7	U	
1,2-DICHLOROETHANE	6.7	U	
1,2-DICHLOROPROPANE	6.7	U	
2-BUTANONE	34	U	
2-HEXANONE	34	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	79.3		
BENZENE	6.7	U	
BROMODICHLOROMETHANE	6.7	U	
BROMOFORM	6.7	U	
BROMOMETHANE	6.7	U	
CARBON DISULFIDE	6.7	U	
CARBON TETRACHLORIDE	6.7	U	
CHLOROBENZENE	6.7	U	
CHLORODIBROMOMETHANE	6.7	U	
CHLOROETHANE	6.7	U	
CHLOROFORM	6.7	U	
CHLOROMETHANE	6.7	U	
CIS-1,2-DICHLOROETHENE	6.7	U	
CIS-1,3-DICHLOROPROPENE	6.7	U	
ETHYLBENZENE	6.7	U	
METHYL TERT-BUTYL ETHER	6.7	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.7	U	
TETRACHLOROETHENE	6.7	U	
TOLUENE	6.7	U	

nsample	CEF-293-SU-126-06
samp_date	10/9/2002
lab_id	F14990-15
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.7	U	
TRANS-1,3-DICHLOROPROPENE	6.7	U	
TRICHLOROETHENE	6.7	U	
VINYL CHLORIDE	6.7	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-127-01
samp_date	10/9/2002
lab_id	F14990-26
qc_type	NM
units	UG/KG
Pct_Solids	71.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	8.6	U	
1,1,2,2-TETRACHLOROETHANE	8.6	U	
1,1,2-TRICHLOROETHANE	8.6	U	
1,1-DICHLOROETHANE	8.6	U	
1,1-DICHLOROETHENE	8.6	U	
1,2-DICHLOROETHANE	8.6	U	
1,2-DICHLOROPROPANE	8.6	U	
2-BUTANONE	43	U	
2-HEXANONE	43	U	
4-METHYL-2-PENTANONE	43	U	
ACETONE	86	U	
BENZENE	8.6	U	
BROMODICHLOROMETHANE	8.6	U	
BROMOFORM	8.6	U	
BROMOMETHANE	8.6	U	
CARBON DISULFIDE	8.6	U	
CARBON TETRACHLORIDE	8.6	U	
CHLOROBENZENE	8.6	U	
CHLORODIBROMOMETHANE	8.6	U	
CHLOROETHANE	8.6	U	
CHLOROFORM	8.6	U	
CHLOROMETHANE	8.6	U	
CIS-1,2-DICHLOROETHENE	8.6	U	
CIS-1,3-DICHLOROPROPENE	8.6	U	
ETHYLBENZENE	8.6	U	
METHYL TERT-BUTYL ETHER	8.6	U	
METHYLENE CHLORIDE	17	U	
STYRENE	8.6	U	
TETRACHLOROETHENE	8.6	U	
TOLUENE	8.6	U	

nsample	CEF-293-SU-127-01
samp_date	10/9/2002
lab_id	F14990-26
qc_type	NM
units	UG/KG
Pct_Solids	71.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	26	U	
TRANS-1,2-DICHLOROETHENE	8.6	U	
TRANS-1,3-DICHLOROPROPENE	8.6	U	
TRICHLOROETHENE	8.6	U	
VINYL CHLORIDE	8.6	U	

nsample	CEF-293-SU-127-04
samp_date	10/9/2002
lab_id	F14990-16
qc_type	NM
units	UG/KG
Pct_Solids	85.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	14.9	J	P
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	6.3	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	6.3	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	6.3	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.3	U	
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-127-04
samp_date	10/9/2002
lab_id	F14990-16
qc_type	NM
units	UG/KG
Pct_Solids	85.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	6.3	U	

nsample	CEF-293-SU-127-06
samp_date	10/9/2002
lab_id	F14990-17
qc_type	NM
units	UG/KG
Pct_Solids	87.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	340	U	
1,1,2,2-TETRACHLOROETHANE	340	U	
1,1,2-TRICHLOROETHANE	340	U	
1,1-DICHLOROETHANE	340	U	
1,1-DICHLOROETHENE	340	U	
1,2-DICHLOROETHANE	340	U	
1,2-DICHLOROPROPANE	340	U	
2-BUTANONE	1700	U	
2-HEXANONE	1700	U	
4-METHYL-2-PENTANONE	1700	U	
ACETONE	3420		
BENZENE	340	U	
BROMODICHLOROMETHANE	340	U	
BROMOFORM	340	U	
BROMOMETHANE	340	U	
CARBON DISULFIDE	340	U	
CARBON TETRACHLORIDE	340	U	
CHLOROBENZENE	340	U	
CHLORODIBROMOMETHANE	340	U	
CHLOROETHANE	340	U	
CHLOROFORM	340	U	
CHLOROMETHANE	340	U	
CIS-1,2-DICHLOROETHENE	340	U	
CIS-1,3-DICHLOROPROPENE	340	U	
ETHYLBENZENE	340	U	
METHYL TERT-BUTYL ETHER	340	U	
METHYLENE CHLORIDE	670	U	
STYRENE	340	U	
TETRACHLOROETHENE	340	U	
TOLUENE	340	U	

nsample	CEF-293-SU-127-06
samp_date	10/9/2002
lab_id	F14990-17
qc_type	NM
units	UG/KG
Pct_Solids	87.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	1000	U	
TRANS-1,2-DICHLOROETHENE	340	U	
TRANS-1,3-DICHLOROPROPENE	340	U	
TRICHLOROETHENE	340	U	
VINYL CHLORIDE	340	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-128-04
samp_date	10/9/2002
lab_id	F14990-18
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-128-04
samp_date	10/9/2002
lab_id	F14990-18
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-SU-128-06
samp_date	10/9/2002
lab_id	F14990-19
qc_type	NM
units	UG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	12.5	J	P
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-128-06
samp_date	10/9/2002
lab_id	F14990-19
qc_type	NM
units	UG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

nsample	CEF-293-SU-129-04
samp_date	10/9/2002
lab_id	F14990-20
qc_type	NM
units	UG/KG
Pct_Solids	91.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-129-04
samp_date	10/9/2002
lab_id	F14990-20
qc_type	NM
units	UG/KG
Pct_Solids	91.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-129-06
samp_date	10/9/2002
lab_id	F14990-21
qc_type	NM
units	UG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	31	J	P
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

nsample	CEF-293-SU-129-06
samp_date	10/9/2002
lab_id	F14990-21
qc_type	NM
units	UG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

nsample	CEF-293-SU-130-04
samp_date	10/9/2002
lab_id	F14990-22
qc_type	NM
units	UG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	63	U	
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	6.3	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	6.3	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	6.3	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.3	U	
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-130-04
samp_date	10/9/2002
lab_id	F14990-22
qc_type	NM
units	UG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	6.3	U	

nsample	CEF-293-SU-130-06
samp_date	10/9/2002
lab_id	F14990-23
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7.2	U	
1,1,2,2-TETRACHLOROETHANE	7.2	U	
1,1,2-TRICHLOROETHANE	7.2	U	
1,1-DICHLOROETHANE	7.2	U	
1,1-DICHLOROETHENE	7.2	U	
1,2-DICHLOROETHANE	7.2	U	
1,2-DICHLOROPROPANE	7.2	U	
2-BUTANONE	36	U	
2-HEXANONE	36	U	
4-METHYL-2-PENTANONE	36	U	
ACETONE	1290		
BENZENE	7.2	U	
BROMODICHLOROMETHANE	7.2	U	
BROMOFORM	7.2	U	
BROMOMETHANE	7.2	U	
CARBON DISULFIDE	7.2	U	
CARBON TETRACHLORIDE	7.2	U	
CHLOROBENZENE	7.2	U	
CHLORODIBROMOMETHANE	7.2	U	
CHLOROETHANE	7.2	U	
CHLOROFORM	7.2	U	
CHLOROMETHANE	7.2	U	
CIS-1,2-DICHLOROETHENE	7.2	U	
CIS-1,3-DICHLOROPROPENE	7.2	U	
ETHYLBENZENE	7.2	U	
METHYL TERT-BUTYL ETHER	7.2	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7.2	U	
TETRACHLOROETHENE	7.2	U	
TOLUENE	7.2	U	

nsample	CEF-293-SU-130-06
samp_date	10/9/2002
lab_id	F14990-23
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7.2	U	
TRANS-1,3-DICHLOROPROPENE	7.2	U	
TRICHLOROETHENE	7.2	U	
VINYL CHLORIDE	7.2	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-DU04	nsample	CEF-293-DU05	nsample	CEF-293-SU-107-04
samp_date	10/9/2002	samp_date	10/9/2002	samp_date	10/9/2002
lab_id	F14990-24	lab_id	F14990-25	lab_id	F14990-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.8	Pct_Solids	82.9	Pct_Solids	88.9
DUP_OF:	CEF-293-SU-107-04	DUP_OF:	CEF-293-SU-128-06	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	68.4	J	P
2-METHYLNAPHTHALENE	43.2	J	P
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	56	U	
BENZO(A)PYRENE	56	U	
BENZO(B)FLUORANTHENE	56	U	
BENZO(G,H,I)PERYLENE	56	U	
BENZO(K)FLUORANTHENE	56	U	
CHRYSENE	56	U	
DIBENZO(A,H)ANTHRACENE	56	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	56	U	
NAPHTHALENE	144	J	P
PHENANTHRENE	280	U	
PYRENE	280	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	310	U	
PHENANTHRENE	310	U	
PYRENE	310	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	43.8	J	P
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	169	J	P
PHENANTHRENE	300	U	
PYRENE	300	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-107-06	nsample	CEF-293-SU-108-04	nsample	CEF-293-SU-108-06
samp_date	10/9/2002	samp_date	10/9/2002	samp_date	10/9/2002
lab_id	F14990-2	lab_id	F14990-3	lab_id	F14990-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.1	Pct_Solids	92.5	Pct_Solids	81.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	31800		
2-METHYLNAPHTHALENE	36000		
ACENAPHTHENE	406	J	P
ACENAPHTHYLENE	1400	U	
ANTHRACENE	1400	U	
BENZO(A)ANTHRACENE	98.3	J	P
BENZO(A)PYRENE	280	U	
BENZO(B)FLUORANTHENE	280	U	
BENZO(G,H,I)PERYLENE	280	U	
BENZO(K)FLUORANTHENE	280	U	
CHRYSENE	76.7	J	P
DIBENZO(A,H)ANTHRACENE	280	U	
FLUORANTHENE	323	J	P
FLUORENE	619	J	P
INDENO(1,2,3-CD)PYRENE	280	U	
NAPHTHALENE	21200		
PHENANTHRENE	596	J	P
PYRENE	295	J	P

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	204	J	P
2-METHYLNAPHTHALENE	211	J	P
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	195	J	P
PHENANTHRENE	280	U	
PYRENE	280	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	23600		
2-METHYLNAPHTHALENE	30400		
ACENAPHTHENE	432	J	P
ACENAPHTHYLENE	1600	U	
ANTHRACENE	204	J	P
BENZO(A)ANTHRACENE	111	J	P
BENZO(A)PYRENE	320	U	
BENZO(B)FLUORANTHENE	320	U	
BENZO(G,H,I)PERYLENE	320	U	
BENZO(K)FLUORANTHENE	320	U	
CHRYSENE	90.5	J	P
DIBENZO(A,H)ANTHRACENE	320	U	
FLUORANTHENE	414	J	P
FLUORENE	695	J	P
INDENO(1,2,3-CD)PYRENE	320	U	
NAPHTHALENE	17500		
PHENANTHRENE	845	J	P
PYRENE	375	J	P

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-111-04
samp_date	10/9/2002
lab_id	F14990-5
qc_type	NM
units	UG/KG
Pct_Solids	87.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	6410		
2-METHYLNAPHTHALENE	9460		
ACENAPHTHENE	654		
ACENAPHTHYLENE	300	U	
ANTHRACENE	878		
BENZO(A)ANTHRACENE	530		
BENZO(A)PYRENE	216		
BENZO(B)FLUORANTHENE	319		
BENZO(G,H,I)PERYLENE	36.8	J	P
BENZO(K)FLUORANTHENE	143		
CHRYSENE	415		
DIBENZO(A,H)ANTHRACENE	17.8	J	P
FLUORANTHENE	1790		
FLUORENE	739		
INDENO(1,2,3-CD)PYRENE	58.3	J	P
NAPHTHALENE	4120		
PHENANTHRENE	3120		
PYRENE	1610		

nsample	CEF-293-SU-111-06
samp_date	10/9/2002
lab_id	F14990-6
qc_type	NM
units	UG/KG
Pct_Solids	83.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	30000		
2-METHYLNAPHTHALENE	38700		
ACENAPHTHENE	829	J	P
ACENAPHTHYLENE	1600	U	
ANTHRACENE	892	J	P
BENZO(A)ANTHRACENE	673		
BENZO(A)PYRENE	443		
BENZO(B)FLUORANTHENE	507		
BENZO(G,H,I)PERYLENE	127	J	P
BENZO(K)FLUORANTHENE	211	J	P
CHRYSENE	587		
DIBENZO(A,H)ANTHRACENE	310	U	
FLUORANTHENE	2130		
FLUORENE	1120	J	P
INDENO(1,2,3-CD)PYRENE	134	J	P
NAPHTHALENE	21000		
PHENANTHRENE	2880		
PYRENE	1930		

nsample	CEF-293-SU-112-04
samp_date	10/9/2002
lab_id	F14990-7
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	66	U	
BENZO(A)PYRENE	66	U	
BENZO(B)FLUORANTHENE	66	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	66	U	
CHRYSENE	66	U	
DIBENZO(A,H)ANTHRACENE	66	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	66	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-112-07
samp_date	10/9/2002
lab_id	F14990-27
qc_type	NM
units	UG/KG
Pct_Solids	79.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	28900		
2-METHYLNAPHTHALENE	36800		
ACENAPHTHENE	3300	U	
ACENAPHTHYLENE	3300	U	
ANTHRACENE	3300	U	
BENZO(A)ANTHRACENE	264	J	P
BENZO(A)PYRENE	229	J	P
BENZO(B)FLUORANTHENE	650	U	
BENZO(G,H,I)PERYLENE	650	U	
BENZO(K)FLUORANTHENE	226	J	P
CHRYSENE	282	J	P
DIBENZO(A,H)ANTHRACENE	650	U	
FLUORANTHENE	841	J	P
FLUORENE	677	J	P
INDENO(1,2,3-CD)PYRENE	650	U	
NAPHTHALENE	20200		
PHENANTHRENE	1360	J	P
PYRENE	699	J	P

nsample	CEF-293-SU-123-04
samp_date	10/9/2002
lab_id	F14990-8
qc_type	NM
units	UG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-123-06
samp_date	10/9/2002
lab_id	F14990-9
qc_type	NM
units	UG/KG
Pct_Solids	83.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	64	U	
BENZO(A)PYRENE	64	U	
BENZO(B)FLUORANTHENE	64	U	
BENZO(G,H,I)PERYLENE	64	U	
BENZO(K)FLUORANTHENE	64	U	
CHRYSENE	64	U	
DIBENZO(A,H)ANTHRACENE	64	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	64	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-124-04
samp_date	10/9/2002
lab_id	F14990-10
qc_type	NM
units	UG/KG
Pct_Solids	89.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-124-06
samp_date	10/9/2002
lab_id	F14990-11
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

nsample	CEF-293-SU-125-04
samp_date	10/9/2002
lab_id	F14990-12
qc_type	NM
units	UG/KG
Pct_Solids	84.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	62	U	
BENZO(A)PYRENE	62	U	
BENZO(B)FLUORANTHENE	62	U	
BENZO(G,H,I)PERYLENE	62	U	
BENZO(K)FLUORANTHENE	62	U	
CHRYSENE	62	U	
DIBENZO(A,H)ANTHRACENE	62	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	62	U	
NAPHTHALENE	310	U	
PHENANTHRENE	310	U	
PYRENE	310	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-125-06
samp_date	10/9/2002
lab_id	F14990-13
qc_type	NM
units	UG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	310	U	
PHENANTHRENE	310	U	
PYRENE	310	U	

nsample	CEF-293-SU-126-04
samp_date	10/9/2002
lab_id	F14990-14
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	64	U	
BENZO(A)PYRENE	64	U	
BENZO(B)FLUORANTHENE	64	U	
BENZO(G,H,I)PERYLENE	64	U	
BENZO(K)FLUORANTHENE	64	U	
CHRYSENE	64	U	
DIBENZO(A,H)ANTHRACENE	64	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	64	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

nsample	CEF-293-SU-126-06
samp_date	10/9/2002
lab_id	F14990-15
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	64	U	
BENZO(A)PYRENE	64	U	
BENZO(B)FLUORANTHENE	64	U	
BENZO(G,H,I)PERYLENE	64	U	
BENZO(K)FLUORANTHENE	64	U	
CHRYSENE	64	U	
DIBENZO(A,H)ANTHRACENE	64	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	64	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-127-01
samp_date	10/9/2002
lab_id	F14990-26
qc_type	NM
units	UG/KG
Pct_Solids	71.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	370	U	
2-METHYLNAPHTHALENE	370	U	
ACENAPHTHENE	370	U	
ACENAPHTHYLENE	370	U	
ANTHRACENE	370	U	
BENZO(A)ANTHRACENE	75	U	
BENZO(A)PYRENE	75	U	
BENZO(B)FLUORANTHENE	75	U	
BENZO(G,H,I)PERYLENE	75	U	
BENZO(K)FLUORANTHENE	75	U	
CHRYSENE	75	U	
DIBENZO(A,H)ANTHRACENE	75	U	
FLUORANTHENE	370	U	
FLUORENE	370	U	
INDENO(1,2,3-CD)PYRENE	75	U	
NAPHTHALENE	370	U	
PHENANTHRENE	370	U	
PYRENE	370	U	

nsample	CEF-293-SU-127-04
samp_date	10/9/2002
lab_id	F14990-16
qc_type	NM
units	UG/KG
Pct_Solids	85.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	61	U	
BENZO(A)PYRENE	61	U	
BENZO(B)FLUORANTHENE	61	U	
BENZO(G,H,I)PERYLENE	61	U	
BENZO(K)FLUORANTHENE	61	U	
CHRYSENE	61	U	
DIBENZO(A,H)ANTHRACENE	61	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	61	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

nsample	CEF-293-SU-127-06
samp_date	10/9/2002
lab_id	F14990-17
qc_type	NM
units	UG/KG
Pct_Solids	87.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	43200		
2-METHYLNAPHTHALENE	57100		
ACENAPHTHENE	2900	U	
ACENAPHTHYLENE	2900	U	
ANTHRACENE	2900	U	
BENZO(A)ANTHRACENE	580	U	
BENZO(A)PYRENE	580	U	
BENZO(B)FLUORANTHENE	580	U	
BENZO(G,H,I)PERYLENE	580	U	
BENZO(K)FLUORANTHENE	580	U	
CHRYSENE	580	U	
DIBENZO(A,H)ANTHRACENE	580	U	
FLUORANTHENE	2900	U	
FLUORENE	2900	U	
INDENO(1,2,3-CD)PYRENE	580	U	
NAPHTHALENE	30200		
PHENANTHRENE	2900	U	
PYRENE	2900	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-128-04
samp_date	10/9/2002
lab_id	F14990-18
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-128-06
samp_date	10/9/2002
lab_id	F14990-19
qc_type	NM
units	UG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

nsample	CEF-293-SU-129-04
samp_date	10/9/2002
lab_id	F14990-20
qc_type	NM
units	UG/KG
Pct_Solids	91.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	280	U	
2-METHYLNAPHTHALENE	280	U	
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	56	U	
BENZO(A)PYRENE	56	U	
BENZO(B)FLUORANTHENE	56	U	
BENZO(G,H,I)PERYLENE	56	U	
BENZO(K)FLUORANTHENE	56	U	
CHRYSENE	56	U	
DIBENZO(A,H)ANTHRACENE	56	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	56	U	
NAPHTHALENE	280	U	
PHENANTHRENE	280	U	
PYRENE	280	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-129-06
samp_date	10/9/2002
lab_id	F14990-21
qc_type	NM
units	UG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	340	U	
2-METHYLNAPHTHALENE	340	U	
ACENAPHTHENE	340	U	
ACENAPHTHYLENE	340	U	
ANTHRACENE	340	U	
BENZO(A)ANTHRACENE	68	U	
BENZO(A)PYRENE	68	U	
BENZO(B)FLUORANTHENE	68	U	
BENZO(G,H,I)PERYLENE	68	U	
BENZO(K)FLUORANTHENE	68	U	
CHRYSENE	68	U	
DIBENZO(A,H)ANTHRACENE	68	U	
FLUORANTHENE	340	U	
FLUORENE	340	U	
INDENO(1,2,3-CD)PYRENE	68	U	
NAPHTHALENE	340	U	
PHENANTHRENE	340	U	
PYRENE	340	U	

nsample	CEF-293-SU-130-04
samp_date	10/9/2002
lab_id	F14990-22
qc_type	NM
units	UG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	280	U	
2-METHYLNAPHTHALENE	280	U	
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	280	U	
PHENANTHRENE	280	U	
PYRENE	280	U	

nsample	CEF-293-SU-130-06
samp_date	10/9/2002
lab_id	F14990-23
qc_type	NM
units	UG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	64	U	
BENZO(A)PYRENE	64	U	
BENZO(B)FLUORANTHENE	64	U	
BENZO(G,H,I)PERYLENE	64	U	
BENZO(K)FLUORANTHENE	64	U	
CHRYSENE	64	U	
DIBENZO(A,H)ANTHRACENE	64	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	64	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-DU04
samp_date	10/9/2002
lab_id	F14990-24
qc_type	NM
units	MG/KG
Pct_Solids	93.8
DUP_OF:	CEF-293-SU-107-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	65.3	J	G

nsample	CEF-293-DU05
samp_date	10/9/2002
lab_id	F14990-25
qc_type	NM
units	MG/KG
Pct_Solids	82.9
DUP_OF:	CEF-293-SU-128-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.04	J	P

nsample	CEF-293-SU-107-04
samp_date	10/9/2002
lab_id	F14990-1
qc_type	NM
units	MG/KG
Pct_Solids	88.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	128	J	G

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-107-06
samp_date	10/9/2002
lab_id	F14990-2
qc_type	NM
units	MG/KG
Pct_Solids	93.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11100		

nsample	CEF-293-SU-108-04
samp_date	10/9/2002
lab_id	F14990-3
qc_type	NM
units	MG/KG
Pct_Solids	92.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	47.6		

nsample	CEF-293-SU-108-06
samp_date	10/9/2002
lab_id	F14990-4
qc_type	NM
units	MG/KG
Pct_Solids	81.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10900		

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-111-04
samp_date	10/9/2002
lab_id	F14990-5
qc_type	NM
units	MG/KG
Pct_Solids	87.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	2520		

nsample	CEF-293-SU-111-06
samp_date	10/9/2002
lab_id	F14990-6
qc_type	NM
units	MG/KG
Pct_Solids	83.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	13300		

nsample	CEF-293-SU-112-04
samp_date	10/9/2002
lab_id	F14990-7
qc_type	NM
units	MG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	19.6		

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-112-07
samp_date	10/9/2002
lab_id	F14990-27
qc_type	NM
units	MG/KG
Pct_Solids	79.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10600		

nsample	CEF-293-SU-123-04
samp_date	10/9/2002
lab_id	F14990-8
qc_type	NM
units	MG/KG
Pct_Solids	90.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.1	U	

nsample	CEF-293-SU-123-06
samp_date	10/9/2002
lab_id	F14990-9
qc_type	NM
units	MG/KG
Pct_Solids	83.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.8	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-124-04
samp_date	10/9/2002
lab_id	F14990-10
qc_type	NM
units	MG/KG
Pct_Solids	89.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.3	U	

nsample	CEF-293-SU-124-06
samp_date	10/9/2002
lab_id	F14990-11
qc_type	NM
units	MG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.9	U	

nsample	CEF-293-SU-125-04
samp_date	10/9/2002
lab_id	F14990-12
qc_type	NM
units	MG/KG
Pct_Solids	84.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.5	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-125-06
samp_date	10/9/2002
lab_id	F14990-13
qc_type	NM
units	MG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1040		

nsample	CEF-293-SU-126-04
samp_date	10/9/2002
lab_id	F14990-14
qc_type	NM
units	MG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.9	U	

nsample	CEF-293-SU-126-06
samp_date	10/9/2002
lab_id	F14990-15
qc_type	NM
units	MG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	20.7		

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-127-01
samp_date	10/9/2002
lab_id	F14990-26
qc_type	NM
units	MG/KG
Pct_Solids	71.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	14.7		

nsample	CEF-293-SU-127-04
samp_date	10/9/2002
lab_id	F14990-16
qc_type	NM
units	MG/KG
Pct_Solids	85.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	69.8		

nsample	CEF-293-SU-127-06
samp_date	10/9/2002
lab_id	F14990-17
qc_type	NM
units	MG/KG
Pct_Solids	87.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11700		

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-128-04
samp_date	10/9/2002
lab_id	F14990-18
qc_type	NM
units	MG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	13.6		

nsample	CEF-293-SU-128-06
samp_date	10/9/2002
lab_id	F14990-19
qc_type	NM
units	MG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.5	U	

nsample	CEF-293-SU-129-04
samp_date	10/9/2002
lab_id	F14990-20
qc_type	NM
units	MG/KG
Pct_Solids	91.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8.7	U	

PROJ_NO: 0039

SDG: F14990 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-129-06
samp_date	10/9/2002
lab_id	F14990-21
qc_type	NM
units	MG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.17	J	P

nsample	CEF-293-SU-130-04
samp_date	10/9/2002
lab_id	F14990-22
qc_type	NM
units	MG/KG
Pct_Solids	90.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11.3		

nsample	CEF-293-SU-130-06
samp_date	10/9/2002
lab_id	F14990-23
qc_type	NM
units	MG/KG
Pct_Solids	80.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	79.6		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU04		
Lab Sample ID:	F14990-24	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018574.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.03 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	121	66	13	ug/kg	
71-43-2	Benzene	ND	6.6	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	2.6	ug/kg	
75-25-2	Bromoform	ND	6.6	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.6	4.0	ug/kg	
67-66-3	Chloroform	ND	6.6	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
100-41-4	Ethylbenzene	7.1	6.6	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.6	2.6	ug/kg	
100-42-5	Styrene	ND	6.6	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	2.6	ug/kg	
108-88-3	Toluene	ND	6.6	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU04		
Lab Sample ID:	F14990-24	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.6	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.6	ug/kg	
1330-20-7	Xylene (total)	40.9	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

(a) En Core sampler was not properly capped; results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU05		
Lab Sample ID:	F14990-25	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018575.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.38 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.0	69	14	ug/kg	J
71-43-2	Benzene	ND	6.9	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	2.8	ug/kg	
75-25-2	Bromoform	ND	6.9	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	2.8	ug/kg	
75-00-3	Chloroethane	ND	6.9	4.1	ug/kg	
67-66-3	Chloroform	ND	6.9	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	6.9	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	2.8	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.9	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.9	2.8	ug/kg	
100-42-5	Styrene	ND	6.9	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	2.8	ug/kg	
108-88-3	Toluene	ND	6.9	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU05		
Lab Sample ID:	F14990-25	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.9	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-04		
Lab Sample ID:	F14990-1	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018540.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.31 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.1	65	13	ug/kg	J
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	26.2	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	3.2	6.5	2.6	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-107-04		
Lab Sample ID:	F14990-1	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	88.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	92.8	20	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	104%		79-121%
460-00-4	4-Bromofluorobenzene	116%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-06		
Lab Sample ID:	F14990-2	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	93.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018580.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.95 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14000	2700	ug/kg	
71-43-2	Benzene	ND	1400	540	ug/kg	
75-27-4	Bromodichloromethane	ND	1400	540	ug/kg	
75-25-2	Bromoform	ND	1400	540	ug/kg	
108-90-7	Chlorobenzene	ND	1400	540	ug/kg	
75-00-3	Chloroethane	ND	1400	810	ug/kg	
67-66-3	Chloroform	ND	1400	540	ug/kg	
75-15-0	Carbon disulfide	ND	1400	540	ug/kg	
56-23-5	Carbon tetrachloride	ND	1400	540	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1400	540	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1400	540	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1400	540	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1400	540	ug/kg	
124-48-1	Dibromochloromethane	ND	1400	540	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1400	540	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1400	540	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1400	540	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1400	540	ug/kg	
100-41-4	Ethylbenzene	3300	1400	540	ug/kg	
591-78-6	2-Hexanone	ND	6800	2700	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	6800	2700	ug/kg	
74-83-9	Methyl bromide	ND	1400	540	ug/kg	
74-87-3	Methyl chloride	ND	1400	540	ug/kg	
75-09-2	Methylene chloride	ND	2700	1400	ug/kg	
78-93-3	Methyl ethyl ketone	ND	6800	2700	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	1400	540	ug/kg	
100-42-5	Styrene	ND	1400	540	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1400	540	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1400	540	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1400	540	ug/kg	
127-18-4	Tetrachloroethylene	ND	1400	540	ug/kg	
108-88-3	Toluene	ND	1400	540	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-107-06		
Lab Sample ID:	F14990-2	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	93.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1400	540	ug/kg	
75-01-4	Vinyl chloride	ND	1400	540	ug/kg	
1330-20-7	Xylene (total)	20600	4100	1100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-04		
Lab Sample ID:	F14990-3	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	92.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018578.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.58 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.9	59	12	ug/kg	J
71-43-2	Benzene	ND	5.9	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.4	ug/kg	
75-25-2	Bromoform	ND	5.9	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.4	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.5	ug/kg	
67-66-3	Chloroform	ND	5.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
100-41-4	Ethylbenzene	13.2	5.9	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.4	ug/kg	
100-42-5	Styrene	ND	5.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.4	ug/kg	
108-88-3	Toluene	ND	5.9	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-108-04		
Lab Sample ID:	F14990-3	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	92.5
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
1330-20-7	Xylene (total)	67.6	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-06		
Lab Sample ID:	F14990-4	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	81.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018581.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.56 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3400	670	ug/kg	
71-43-2	Benzene	ND	340	130	ug/kg	
75-27-4	Bromodichloromethane	ND	340	130	ug/kg	
75-25-2	Bromoform	ND	340	130	ug/kg	
108-90-7	Chlorobenzene	ND	340	130	ug/kg	
75-00-3	Chloroethane	ND	340	200	ug/kg	
67-66-3	Chloroform	ND	340	130	ug/kg	
75-15-0	Carbon disulfide	ND	340	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	340	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	340	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	340	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	340	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	340	130	ug/kg	
124-48-1	Dibromochloromethane	ND	340	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	340	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	340	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	340	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	340	130	ug/kg	
100-41-4	Ethylbenzene	2820	340	130	ug/kg	
591-78-6	2-Hexanone	ND	1700	670	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	670	ug/kg	
74-83-9	Methyl bromide	ND	340	130	ug/kg	
74-87-3	Methyl chloride	ND	340	130	ug/kg	
75-09-2	Methylene chloride	ND	670	340	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	670	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	340	130	ug/kg	
100-42-5	Styrene	ND	340	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	340	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	340	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	340	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	340	130	ug/kg	
108-88-3	Toluene	246	340	130	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-108-06		
Lab Sample ID:	F14990-4	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	81.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	340	130	ug/kg	
75-01-4	Vinyl chloride	ND	340	130	ug/kg	
1330-20-7	Xylene (total)	14200	1000	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	104%		79-121%
460-00-4	4-Bromofluorobenzene	112%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-04		
Lab Sample ID:	F14990-5	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018582.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.11 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	690	ug/kg	
71-43-2	Benzene	ND	350	140	ug/kg	
75-27-4	Bromodichloromethane	ND	350	140	ug/kg	
75-25-2	Bromoform	ND	350	140	ug/kg	
108-90-7	Chlorobenzene	ND	350	140	ug/kg	
75-00-3	Chloroethane	ND	350	210	ug/kg	
67-66-3	Chloroform	ND	350	140	ug/kg	
75-15-0	Carbon disulfide	ND	350	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	140	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	140	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	140	ug/kg	
124-48-1	Dibromochloromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	140	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	140	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	140	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	140	ug/kg	
100-41-4	Ethylbenzene	1270	350	140	ug/kg	
591-78-6	2-Hexanone	ND	1700	690	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	690	ug/kg	
74-83-9	Methyl bromide	ND	350	140	ug/kg	
74-87-3	Methyl chloride	ND	350	140	ug/kg	
75-09-2	Methylene chloride	ND	690	350	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	690	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	350	140	ug/kg	
100-42-5	Styrene	ND	350	140	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	140	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	140	ug/kg	
127-18-4	Tetrachloroethylene	ND	350	140	ug/kg	
108-88-3	Toluene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-111-04		
Lab Sample ID:	F14990-5	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	350	140	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
1330-20-7	Xylene (total)	5910	1000	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-06		
Lab Sample ID:	F14990-6	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018583.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.84 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	19000	3900	ug/kg	
71-43-2	Benzene	ND	1900	780	ug/kg	
75-27-4	Bromodichloromethane	ND	1900	780	ug/kg	
75-25-2	Bromoform	ND	1900	780	ug/kg	
108-90-7	Chlorobenzene	ND	1900	780	ug/kg	
75-00-3	Chloroethane	ND	1900	1200	ug/kg	
67-66-3	Chloroform	ND	1900	780	ug/kg	
75-15-0	Carbon disulfide	ND	1900	780	ug/kg	
56-23-5	Carbon tetrachloride	ND	1900	780	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1900	780	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1900	780	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1900	780	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1900	780	ug/kg	
124-48-1	Dibromochloromethane	ND	1900	780	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1900	780	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1900	780	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1900	780	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1900	780	ug/kg	
100-41-4	Ethylbenzene	13600	1900	780	ug/kg	
591-78-6	2-Hexanone	ND	9700	3900	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9700	3900	ug/kg	
74-83-9	Methyl bromide	ND	1900	780	ug/kg	
74-87-3	Methyl chloride	ND	1900	780	ug/kg	
75-09-2	Methylene chloride	ND	3900	1900	ug/kg	
78-93-3	Methyl ethyl ketone	ND	9700	3900	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	1900	780	ug/kg	
100-42-5	Styrene	ND	1900	780	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1900	780	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1900	780	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1900	780	ug/kg	
127-18-4	Tetrachloroethylene	ND	1900	780	ug/kg	
108-88-3	Toluene	1240	1900	780	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-111-06		
Lab Sample ID:	F14990-6	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	1900	780	ug/kg	
75-01-4	Vinyl chloride	ND	1900	780	ug/kg	
1330-20-7	Xylene (total)	57000	5800	1600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-04		
Lab Sample ID:	F14990-7	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018541.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.44 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.9	70	14	ug/kg	J
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	4.8	7.0	2.8	ug/kg	J
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-04		
Lab Sample ID:	F14990-7	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	31.1	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	108%		77-133%
17060-07-0	1,2-Dichloroethane-D4	91%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-07		
Lab Sample ID:	F14990-27	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	79.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018607.D	1	10/22/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	3.46 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	23000	4500	ug/kg	
71-43-2	Benzene	ND	2300	910	ug/kg	
75-27-4	Bromodichloromethane	ND	2300	910	ug/kg	
75-25-2	Bromoform	ND	2300	910	ug/kg	
108-90-7	Chlorobenzene	ND	2300	910	ug/kg	
75-00-3	Chloroethane	ND	2300	1400	ug/kg	
67-66-3	Chloroform	ND	2300	910	ug/kg	
75-15-0	Carbon disulfide	ND	2300	910	ug/kg	
56-23-5	Carbon tetrachloride	ND	2300	910	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2300	910	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2300	910	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2300	910	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2300	910	ug/kg	
124-48-1	Dibromochloromethane	ND	2300	910	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2300	910	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2300	910	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2300	910	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2300	910	ug/kg	
100-41-4	Ethylbenzene	27900	2300	910	ug/kg	
591-78-6	2-Hexanone	ND	11000	4500	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11000	4500	ug/kg	
74-83-9	Methyl bromide	ND	2300	910	ug/kg	
74-87-3	Methyl chloride	ND	2300	910	ug/kg	
75-09-2	Methylene chloride	ND	4500	2300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	11000	4500	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	2300	910	ug/kg	
100-42-5	Styrene	ND	2300	910	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2300	910	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2300	910	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2300	910	ug/kg	
127-18-4	Tetrachloroethylene	ND	2300	910	ug/kg	
108-88-3	Toluene	4720	2300	910	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-112-07		
Lab Sample ID:	F14990-27	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	79.5
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	2300	910	ug/kg	
75-01-4	Vinyl chloride	ND	2300	910	ug/kg	
1330-20-7	Xylene (total)	121000	6800	1800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		70-130%
2037-26-5	Toluene-D8	120%		79-121%
460-00-4	4-Bromofluorobenzene	118%		77-133%
17060-07-0	1,2-Dichloroethane-D4	91%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-04		
Lab Sample ID:	F14990-8	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	90.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018544.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.61 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	13.2	60	12	ug/kg	J
71-43-2	Benzene	ND	6.0	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	2.4	ug/kg	
75-25-2	Bromoform	ND	6.0	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.0	3.6	ug/kg	
67-66-3	Chloroform	ND	6.0	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.0	2.4	ug/kg	
100-42-5	Styrene	ND	6.0	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	2.4	ug/kg	
108-88-3	Toluene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-123-04		
Lab Sample ID:	F14990-8	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	90.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.0	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-06		
Lab Sample ID:	F14990-9	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018577.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.95 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	44.7	61	12	ug/kg	J
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-123-06		
Lab Sample ID:	F14990-9	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.1
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	96%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-04		
Lab Sample ID:	F14990-10	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018546.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.92 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	11	ug/kg	
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	2.3	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.7	2.3	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-124-04		
Lab Sample ID:	F14990-10	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	89.7
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	96%		79-121%
460-00-4	4-Bromofluorobenzene	100%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-06		
Lab Sample ID:	F14990-11	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018547.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.29 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	26.4	70	14	ug/kg	J
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-124-06		
Lab Sample ID:	F14990-11	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	97%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-04		
Lab Sample ID:	F14990-12	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	84.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018548.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.72 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.5	62	12	ug/kg	J
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-125-04		
Lab Sample ID:	F14990-12	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	84.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	110%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-06		
Lab Sample ID:	F14990-13	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018579.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.82 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	254	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.5	ug/kg	
75-25-2	Bromoform	ND	6.1	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.7	ug/kg	
67-66-3	Chloroform	ND	6.1	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.5	ug/kg	
100-42-5	Styrene	ND	6.1	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.5	ug/kg	
108-88-3	Toluene	ND	6.1	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-06		
Lab Sample ID:	F14990-13	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	109%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-04		
Lab Sample ID:	F14990-14	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018567.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.76 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.5	ug/kg	
75-25-2	Bromoform	ND	6.4	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.8	ug/kg	
67-66-3	Chloroform	ND	6.4	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.5	ug/kg	
100-42-5	Styrene	ND	6.4	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.5	ug/kg	
108-88-3	Toluene	ND	6.4	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-06		
Lab Sample ID:	F14990-15	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018549.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.53 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	79.3	67	13	ug/kg	
71-43-2	Benzene	ND	6.7	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	2.7	ug/kg	
75-25-2	Bromoform	ND	6.7	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.7	4.0	ug/kg	
67-66-3	Chloroform	ND	6.7	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	2.7	ug/kg	
108-88-3	Toluene	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-126-06		
Lab Sample ID:	F14990-15	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.7	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-01		
Lab Sample ID:	F14990-26	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	71.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018576.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.08 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	86	17	ug/kg	
71-43-2	Benzene	ND	8.6	3.4	ug/kg	
75-27-4	Bromodichloromethane	ND	8.6	3.4	ug/kg	
75-25-2	Bromoform	ND	8.6	3.4	ug/kg	
108-90-7	Chlorobenzene	ND	8.6	3.4	ug/kg	
75-00-3	Chloroethane	ND	8.6	5.2	ug/kg	
67-66-3	Chloroform	ND	8.6	3.4	ug/kg	
75-15-0	Carbon disulfide	ND	8.6	3.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	8.6	3.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8.6	3.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	8.6	3.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8.6	3.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8.6	3.4	ug/kg	
124-48-1	Dibromochloromethane	ND	8.6	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	8.6	3.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8.6	3.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	8.6	3.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8.6	3.4	ug/kg	
100-41-4	Ethylbenzene	ND	8.6	3.4	ug/kg	
591-78-6	2-Hexanone	ND	43	17	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	43	17	ug/kg	
74-83-9	Methyl bromide	ND	8.6	3.4	ug/kg	
74-87-3	Methyl chloride	ND	8.6	3.4	ug/kg	
75-09-2	Methylene chloride	ND	17	8.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	43	17	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	8.6	3.4	ug/kg	
100-42-5	Styrene	ND	8.6	3.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8.6	3.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.6	3.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	8.6	3.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	8.6	3.4	ug/kg	
108-88-3	Toluene	ND	8.6	3.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-127-01		
Lab Sample ID:	F14990-26	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	71.3
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	8.6	3.4	ug/kg	
75-01-4	Vinyl chloride	ND	8.6	3.4	ug/kg	
1330-20-7	Xylene (total)	ND	26	6.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-04		
Lab Sample ID:	F14990-16	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	85.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018550.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.60 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.9	63	13	ug/kg	J
71-43-2	Benzene	ND	6.3	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	2.5	ug/kg	
75-25-2	Bromoform	ND	6.3	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.8	ug/kg	
67-66-3	Chloroform	ND	6.3	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.3	2.5	ug/kg	
100-42-5	Styrene	ND	6.3	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	2.5	ug/kg	
108-88-3	Toluene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-04		
Lab Sample ID:	F14990-16	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	85.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.3	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	100%		77-133%
17060-07-0	1,2-Dichloroethane-D4	102%		72-133%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-06		
Lab Sample ID:	F14990-17	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018606.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.26 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3420	3400	670	ug/kg	
71-43-2	Benzene	ND	340	130	ug/kg	
75-27-4	Bromodichloromethane	ND	340	130	ug/kg	
75-25-2	Bromoform	ND	340	130	ug/kg	
108-90-7	Chlorobenzene	ND	340	130	ug/kg	
75-00-3	Chloroethane	ND	340	200	ug/kg	
67-66-3	Chloroform	ND	340	130	ug/kg	
75-15-0	Carbon disulfide	ND	340	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	340	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	340	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	340	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	340	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	340	130	ug/kg	
124-48-1	Dibromochloromethane	ND	340	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	340	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	340	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	340	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	340	130	ug/kg	
100-41-4	Ethylbenzene	ND	340	130	ug/kg	
591-78-6	2-Hexanone	ND	1700	670	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	670	ug/kg	
74-83-9	Methyl bromide	ND	340	130	ug/kg	
74-87-3	Methyl chloride	ND	340	130	ug/kg	
75-09-2	Methylene chloride	ND	670	340	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	670	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	340	130	ug/kg	
100-42-5	Styrene	ND	340	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	340	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	340	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	340	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	340	130	ug/kg	
108-88-3	Toluene	ND	340	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-127-06		
Lab Sample ID:	F14990-17	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.5
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	340	130	ug/kg	
75-01-4	Vinyl chloride	ND	340	130	ug/kg	
1330-20-7	Xylene (total)	ND	1000	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	90%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-04		
Lab Sample ID:	F14990-18	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018551.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-128-04		
Lab Sample ID:	F14990-18	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	102%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-06		
Lab Sample ID:	F14990-19	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018552.D	1	10/17/02	NAF	n/a	n/a	VH644
Run #2							

	Initial Weight
Run #1	4.65 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.5	62	12	ug/kg	J
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

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

Report of Analysis

Client Sample ID:	CEF-293-SU-128-06		
Lab Sample ID:	F14990-19	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	98%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	102%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-04		
Lab Sample ID:	F14990-20	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	91.9
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	100%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-04		
Lab Sample ID:	F14990-20	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	91.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018568.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.48 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-06		
Lab Sample ID:	F14990-21	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018569.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.96 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.0	65	13	ug/kg	J
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-129-06		
Lab Sample ID:	F14990-21	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-04		
Lab Sample ID:	F14990-22	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018570.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.37 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	13	ug/kg	
71-43-2	Benzene	ND	6.3	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	2.5	ug/kg	
75-25-2	Bromoform	ND	6.3	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.8	ug/kg	
67-66-3	Chloroform	ND	6.3	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.3	2.5	ug/kg	
100-42-5	Styrene	ND	6.3	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	2.5	ug/kg	
108-88-3	Toluene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-130-04		
Lab Sample ID:	F14990-22	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.3	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	99%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-06		
Lab Sample ID:	F14990-23	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018571.D	1	10/18/02	NAF	n/a	n/a	VH645
Run #2							

	Initial Weight
Run #1	4.35 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1290	72	14	ug/kg	
71-43-2	Benzene	ND	7.2	2.9	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	2.9	ug/kg	
75-25-2	Bromoform	ND	7.2	2.9	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	2.9	ug/kg	
75-00-3	Chloroethane	ND	7.2	4.3	ug/kg	
67-66-3	Chloroform	ND	7.2	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	7.2	2.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	2.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	2.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.2	2.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.2	2.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	2.9	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.2	2.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	2.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.2	2.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	2.9	ug/kg	
100-41-4	Ethylbenzene	ND	7.2	2.9	ug/kg	
591-78-6	2-Hexanone	ND	36	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	14	ug/kg	
74-83-9	Methyl bromide	ND	7.2	2.9	ug/kg	
74-87-3	Methyl chloride	ND	7.2	2.9	ug/kg	
75-09-2	Methylene chloride	ND	14	7.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	36	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.2	2.9	ug/kg	
100-42-5	Styrene	ND	7.2	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	2.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	2.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	2.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.2	2.9	ug/kg	
108-88-3	Toluene	ND	7.2	2.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-130-06		
Lab Sample ID:	F14990-23	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.2	2.9	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	2.9	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	96%		79-121%
460-00-4	4-Bromofluorobenzene	102%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU04		
Lab Sample ID:	F14990-24	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012578.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	56	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	56	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	56	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	56	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	56	14	ug/kg	
218-01-9	Chrysene	ND	56	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	56	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	56	14	ug/kg	
90-12-0	1-Methylnaphthalene	68.4	280	35	ug/kg	J
91-57-6	2-Methylnaphthalene	43.2	280	35	ug/kg	J
91-20-3	Naphthalene	144	280	35	ug/kg	J
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		41-123%
321-60-8	2-Fluorobiphenyl	74%		46-122%
1718-51-0	Terphenyl-d14	90%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU05		
Lab Sample ID:	F14990-25	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012579.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	79	ug/kg	
208-96-8	Acenaphthylene	ND	310	79	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	100%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-04		
Lab Sample ID:	F14990-1	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014859.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	43.8	300	37	ug/kg	J
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	169	300	37	ug/kg	J
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	105%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-06		
Lab Sample ID:	F14990-2	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	93.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014860.D	20	10/15/02	ME	10/14/02	OP6104	SL822
Run #2	L014891.D	40	10/16/02	ME	10/14/02	OP6104	SL824

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2	30.5 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	406	1400	350	ug/kg	J
208-96-8	Acenaphthylene	ND	1400	350	ug/kg	
120-12-7	Anthracene	ND	1400	180	ug/kg	
56-55-3	Benzo(a)anthracene	98.3	280	70	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	280	70	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	280	70	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	280	70	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	280	70	ug/kg	
218-01-9	Chrysene	76.7	280	70	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	280	70	ug/kg	
206-44-0	Fluoranthene	323	1400	180	ug/kg	J
86-73-7	Fluorene	619	1400	180	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	280	70	ug/kg	
90-12-0	1-Methylnaphthalene	31800	1400	180	ug/kg	
91-57-6	2-Methylnaphthalene	36000 [a]	2800	350	ug/kg	
91-20-3	Naphthalene	21200	1400	180	ug/kg	
85-01-8	Phenanthrene	596	1400	180	ug/kg	J
129-00-0	Pyrene	295	1400	180	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [b]	0% [b]	41-123%
321-60-8	2-Fluorobiphenyl	0% [b]	0% [b]	46-122%
1718-51-0	Terphenyl-d14	0% [b]	0% [b]	45-135%

(a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-04		
Lab Sample ID:	F14990-3	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	92.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014861.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	204	280	35	ug/kg	J
91-57-6	2-Methylnaphthalene	211	280	35	ug/kg	J
91-20-3	Naphthalene	195	280	35	ug/kg	J
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	87%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-06		
Lab Sample ID:	F14990-4	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014864.D	20	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	432	1600	400	ug/kg	J
208-96-8	Acenaphthylene	ND	1600	400	ug/kg	
120-12-7	Anthracene	204	1600	200	ug/kg	J
56-55-3	Benzo(a)anthracene	111	320	80	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	320	80	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	320	80	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	320	80	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	320	80	ug/kg	
218-01-9	Chrysene	90.5	320	80	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	320	80	ug/kg	
206-44-0	Fluoranthene	414	1600	200	ug/kg	J
86-73-7	Fluorene	695	1600	200	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	320	80	ug/kg	
90-12-0	1-Methylnaphthalene	23600	1600	200	ug/kg	
91-57-6	2-Methylnaphthalene	30400	1600	200	ug/kg	
91-20-3	Naphthalene	17500	1600	200	ug/kg	
85-01-8	Phenanthrene	845	1600	200	ug/kg	J
129-00-0	Pyrene	375	1600	200	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-04		
Lab Sample ID:	F14990-5	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014865.D	4	10/15/02	ME	10/14/02	OP6104	SL822
Run #2	L014892.D	8	10/16/02	ME	10/14/02	OP6104	SL824

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	654	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	878	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	530	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	216	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	319	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	36.8	60	15	ug/kg	J
207-08-9	Benzo(k)fluoranthene	143	60	15	ug/kg	
218-01-9	Chrysene	415	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17.8	60	15	ug/kg	J
206-44-0	Fluoranthene	1790	300	38	ug/kg	
86-73-7	Fluorene	739	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	58.3	60	15	ug/kg	J
90-12-0	1-Methylnaphthalene	6410	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	9460 [a]	600	75	ug/kg	
91-20-3	Naphthalene	4120	300	38	ug/kg	
85-01-8	Phenanthrene	3120	300	38	ug/kg	
129-00-0	Pyrene	1610	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	287% [b]	232% [b]	41-123%
321-60-8	2-Fluorobiphenyl	81%	91%	46-122%
1718-51-0	Terphenyl-d14	105%	89%	45-135%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-06		
Lab Sample ID:	F14990-6	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014866.D	20	10/15/02	ME	10/14/02	OP6104	SL822
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	829	1600	390	ug/kg	J
208-96-8	Acenaphthylene	ND	1600	390	ug/kg	
120-12-7	Anthracene	892	1600	200	ug/kg	J
56-55-3	Benzo(a)anthracene	673	310	78	ug/kg	
50-32-8	Benzo(a)pyrene	443	310	78	ug/kg	
205-99-2	Benzo(b)fluoranthene	507	310	78	ug/kg	
191-24-2	Benzo(g,h,i)perylene	127	310	78	ug/kg	J
207-08-9	Benzo(k)fluoranthene	211	310	78	ug/kg	J
218-01-9	Chrysene	587	310	78	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	310	78	ug/kg	
206-44-0	Fluoranthene	2130	1600	200	ug/kg	
86-73-7	Fluorene	1120	1600	200	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	134	310	78	ug/kg	J
90-12-0	1-Methylnaphthalene	30000	1600	200	ug/kg	
91-57-6	2-Methylnaphthalene	38700	1600	200	ug/kg	
91-20-3	Naphthalene	21000	1600	200	ug/kg	
85-01-8	Phenanthrene	2880	1600	200	ug/kg	
129-00-0	Pyrene	1930	1600	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-04		
Lab Sample ID:	F14990-7	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014869.D	4	10/15/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	83	ug/kg	
208-96-8	Acenaphthylene	ND	330	83	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	66	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	66	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	66	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	66	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	17	ug/kg	
218-01-9	Chrysene	ND	66	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	17	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	94%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-07		
Lab Sample ID:	F14990-27	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	79.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012629.D	40	10/18/02	ME	10/15/02	OP6117	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	3300	810	ug/kg	
208-96-8	Acenaphthylene	ND	3300	810	ug/kg	
120-12-7	Anthracene	ND	3300	410	ug/kg	
56-55-3	Benzo(a)anthracene	264	650	160	ug/kg	J
50-32-8	Benzo(a)pyrene	229	650	160	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	650	160	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	650	160	ug/kg	
207-08-9	Benzo(k)fluoranthene	226	650	160	ug/kg	J
218-01-9	Chrysene	282	650	160	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	650	160	ug/kg	
206-44-0	Fluoranthene	841	3300	410	ug/kg	J
86-73-7	Fluorene	677	3300	410	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	650	160	ug/kg	
90-12-0	1-Methylnaphthalene	28900	3300	410	ug/kg	
91-57-6	2-Methylnaphthalene	36800	3300	410	ug/kg	
91-20-3	Naphthalene	20200	3300	410	ug/kg	
85-01-8	Phenanthrene	1360	3300	410	ug/kg	J
129-00-0	Pyrene	699	3300	410	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-04		
Lab Sample ID:	F14990-8	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014870.D	4	10/15/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-06		
Lab Sample ID:	F14990-9	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014871.D	4	10/15/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	80	ug/kg	
208-96-8	Acenaphthylene	ND	320	80	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-04		
Lab Sample ID:	F14990-10	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	89.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014872.D	4	10/15/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	110%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-06		
Lab Sample ID:	F14990-11	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014873.D	4	10/15/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	79	ug/kg	
208-96-8	Acenaphthylene	ND	320	79	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	99%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-04		
Lab Sample ID:	F14990-12	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014874.D	4	10/16/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	62	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	62	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	62	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	62	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	62	16	ug/kg	
218-01-9	Chrysene	ND	62	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	62	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	62	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		41-123%
321-60-8	2-Fluorobiphenyl	93%		46-122%
1718-51-0	Terphenyl-d14	104%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-06		
Lab Sample ID:	F14990-13	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014875.D	4	10/16/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	98%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-04		
Lab Sample ID:	F14990-14	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014876.D	4	10/16/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	80	ug/kg	
208-96-8	Acenaphthylene	ND	320	80	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	89%		46-122%
1718-51-0	Terphenyl-d14	96%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-06		
Lab Sample ID:	F14990-15	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L014877.D	4	10/16/02	ME	10/14/02	OP6104	SL823
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	80	ug/kg	
208-96-8	Acenaphthylene	ND	320	80	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	97%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-01		
Lab Sample ID:	F14990-26	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	71.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012580.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	370	93	ug/kg	
208-96-8	Acenaphthylene	ND	370	93	ug/kg	
120-12-7	Anthracene	ND	370	47	ug/kg	
56-55-3	Benzo(a)anthracene	ND	75	19	ug/kg	
50-32-8	Benzo(a)pyrene	ND	75	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	75	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	75	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	75	19	ug/kg	
218-01-9	Chrysene	ND	75	19	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	75	19	ug/kg	
206-44-0	Fluoranthene	ND	370	47	ug/kg	
86-73-7	Fluorene	ND	370	47	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	75	19	ug/kg	
90-12-0	1-Methylnaphthalene	ND	370	47	ug/kg	
91-57-6	2-Methylnaphthalene	ND	370	47	ug/kg	
91-20-3	Naphthalene	ND	370	47	ug/kg	
85-01-8	Phenanthrene	ND	370	47	ug/kg	
129-00-0	Pyrene	ND	370	47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-04		
Lab Sample ID:	F14990-16	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012570.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	76	ug/kg	
208-96-8	Acenaphthylene	ND	300	76	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	61	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-06		
Lab Sample ID:	F14990-17	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012628.D	40	10/18/02	ME	10/15/02	OP6117	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2900	720	ug/kg	
208-96-8	Acenaphthylene	ND	2900	720	ug/kg	
120-12-7	Anthracene	ND	2900	360	ug/kg	
56-55-3	Benzo(a)anthracene	ND	580	140	ug/kg	
50-32-8	Benzo(a)pyrene	ND	580	140	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	580	140	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	580	140	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	580	140	ug/kg	
218-01-9	Chrysene	ND	580	140	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	580	140	ug/kg	
206-44-0	Fluoranthene	ND	2900	360	ug/kg	
86-73-7	Fluorene	ND	2900	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	580	140	ug/kg	
90-12-0	1-Methylnaphthalene	43200	2900	360	ug/kg	
91-57-6	2-Methylnaphthalene	57100	2900	360	ug/kg	
91-20-3	Naphthalene	30200	2900	360	ug/kg	
85-01-8	Phenanthrene	ND	2900	360	ug/kg	
129-00-0	Pyrene	ND	2900	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-04		
Lab Sample ID:	F14990-18	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012572.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	93%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-06		
Lab Sample ID:	F14990-19	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012573.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	91%		46-122%
1718-51-0	Terphenyl-d14	99%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-04		
Lab Sample ID:	F14990-20	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012574.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	70	ug/kg	
208-96-8	Acenaphthylene	ND	280	70	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	56	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	56	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	56	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	56	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	56	14	ug/kg	
218-01-9	Chrysene	ND	56	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	56	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	56	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-06		
Lab Sample ID:	F14990-21	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	78.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012575.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	340	85	ug/kg	
208-96-8	Acenaphthylene	ND	340	85	ug/kg	
120-12-7	Anthracene	ND	340	42	ug/kg	
56-55-3	Benzo(a)anthracene	ND	68	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	68	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	68	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	68	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	68	17	ug/kg	
218-01-9	Chrysene	ND	68	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	68	17	ug/kg	
206-44-0	Fluoranthene	ND	340	42	ug/kg	
86-73-7	Fluorene	ND	340	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	68	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	340	42	ug/kg	
91-57-6	2-Methylnaphthalene	ND	340	42	ug/kg	
91-20-3	Naphthalene	ND	340	42	ug/kg	
85-01-8	Phenanthrene	ND	340	42	ug/kg	
129-00-0	Pyrene	ND	340	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		41-123%
321-60-8	2-Fluorobiphenyl	91%		46-122%
1718-51-0	Terphenyl-d14	111%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-04		
Lab Sample ID:	F14990-22	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012576.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	280	36	ug/kg	
86-73-7	Fluorene	ND	280	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	36	ug/kg	
91-20-3	Naphthalene	ND	280	36	ug/kg	
85-01-8	Phenanthrene	ND	280	36	ug/kg	
129-00-0	Pyrene	ND	280	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	87%		46-122%
1718-51-0	Terphenyl-d14	96%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-06		
Lab Sample ID:	F14990-23	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012577.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	80	ug/kg	
208-96-8	Acenaphthylene	ND	320	80	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	103%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU04		
Lab Sample ID:	F14990-24	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24693.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	65.3	8.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU05		
Lab Sample ID:	F14990-25	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24694.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7.04	10	6.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-04		
Lab Sample ID:	F14990-1	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	88.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24714.D	1	10/16/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	128	9.2	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-107-06		
Lab Sample ID:	F14990-2	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	93.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24715.D	100	10/16/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	11100	890	600	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-04		
Lab Sample ID:	F14990-3	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	92.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24716.D	1	10/16/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	47.6	8.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-108-06		
Lab Sample ID:	F14990-4	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24717.D	100	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	10900	1000	690	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-04		
Lab Sample ID:	F14990-5	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24743.D	50	10/17/02	SKW	10/14/02	OP6111	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	2520	470	320	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-111-06		
Lab Sample ID:	F14990-6	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24720.D	100	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	13300	990	670	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-04		
Lab Sample ID:	F14990-7	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24721.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	19.6	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-112-07		
Lab Sample ID:	F14990-27	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	79.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24697.D	100	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	10600	1000	700	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-04		
Lab Sample ID:	F14990-8	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24744.D	1	10/17/02	SKW	10/14/02	OP6111	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.1	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-123-06		
Lab Sample ID:	F14990-9	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.1
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24723.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.8	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-04		
Lab Sample ID:	F14990-10	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24724.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.3	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-124-06		
Lab Sample ID:	F14990-11	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24725.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.9	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-04		
Lab Sample ID:	F14990-12	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24726.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.5	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-125-06		
Lab Sample ID:	F14990-13	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24727.D	10	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1040	97	66	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-04		
Lab Sample ID:	F14990-14	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24728.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.9	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-126-06		
Lab Sample ID:	F14990-15	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24730.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	20.7	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-01		
Lab Sample ID:	F14990-26	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	71.3
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24695.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	14.7	12	7.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-04		
Lab Sample ID:	F14990-16	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24731.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	69.8	9.5	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-127-06		
Lab Sample ID:	F14990-17	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.5
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24745.D	200	10/17/02	SKW	10/14/02	OP6111	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	11700	1900	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-04		
Lab Sample ID:	F14990-18	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24746.D	1	10/17/02	SKW	10/14/02	OP6111	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	13.6	8.9	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-128-06		
Lab Sample ID:	F14990-19	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24734.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.5	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-04		
Lab Sample ID:	F14990-20	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.9
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24735.D	1	10/17/02	SKW	10/14/02	OP6111	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	8.7	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-129-06		
Lab Sample ID:	F14990-21	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	78.0
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24690.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	9.17	11	7.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-04		
Lab Sample ID:	F14990-22	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.7
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24691.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	11.3	9.2	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-130-06		
Lab Sample ID:	F14990-23	**Date Sampled:**	10/09/02
Matrix:	SO - Soil	**Date Received:**	10/10/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-CTO0078/N0039		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24692.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	79.6	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**FEBRUARY 5, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/PAH/TPH**
CTO 078, NAS CECIL FIELD
SDG F15008

SAMPLES: 21/Soil

CEF-293-DU06	CEF-293-DU07	CEF-293-DU08
CEF-293-SU-131-04	CEF-293-SU-131-06	CEF-293-SU-132-04
CEF-293-SU-132-08	CEF-293-SU-133-04	CEF-293-SU-133-08
CEF-293-SU-134-04	CEF-293-SU-134-08	CEF-293-SU-135-04
CEF-293-SU-135-08	CEF-293-SU-136-04	CEF-293-SU-136-06
CEF-293-SU-137-01	CEF-293-SU-137-04	CEF-293-SU-137-08
CEF-293-SU-138-01	CEF-293-SU-138-04	CEF-293-SU-138-08

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG F15008 consists of eighteen (18) environmental soil samples and three (3) field duplicates. All samples were analyzed for volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH), and total petroleum hydrocarbons (TPH) by SW-846 Methods 8260B and 8270C SIM and Florida-PRO respectively. The field duplicate pairs included with this SDG are (CEF-293-DU06 / CEF-293-SU-131-06), (CEF-293-DU07 / CEF-293-SU-134-04), and (CEF-293-DU08 / CEF-293-SU-137-01).

The samples were collected by TetraTech NUS on October 10, 2002 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8270C SIM and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial and continuing calibration
- * Laboratory method and field quality control blank results
- Field duplicate precision
- Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

Samples CEF-293-SU-133-08 and CEF-293-SU-134-08 were analyzed using a methanol extraction because the concentration of target analytes exceeded the linear calibration range of the instrument. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples. Neither of the aforementioned samples were reported non-methanol extracted.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

PAH

Sample CEF-293-SU-133-08 was analyzed at a 20X dilution because the concentration of target analytes exceeded the linear calibration range of the instrument. The sample was not analyzed undiluted. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples.

All surrogates had a 0% recovery in sample CEF-293-SU-133-08. No qualifications were made on this basis because the aforementioned sample was analyzed at a 20X dilution.

All positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

TPH

Surrogate o-terphenyl had 0% recovery in sample CEF-293-SU-133-08. No qualifications were assigned on this basis because the sample was all analyzed at a 100X dilution.

The positive result below the reporting limit was qualified as estimated (J) due to uncertainty near the detection limit.

The field duplicate pairs (CEF-293-DU06 / CEF-293-SU-131-06) and (CEF-293-DU07 / CEF-293-SU-134-04) exceeded the 50% RPD quality control criteria for TPH. The results for TPH in the aforementioned samples were qualified as estimated (J).

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: Qualifications were made based on field duplicate imprecision.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

TO: M. SPERANZA – PAGE 3
DATE: FEBRUARY 5, 2003

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU06
samp_date	10/10/2002
lab_id	F15008-15
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	CEF-293-SU-131-06

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.8	U	
1,1,2,2-TETRACHLOROETHANE	6.8	U	
1,1,2-TRICHLOROETHANE	6.8	U	
1,1-DICHLOROETHANE	6.8	U	
1,1-DICHLOROETHENE	6.8	U	
1,2-DICHLOROETHANE	6.8	U	
1,2-DICHLOROPROPANE	6.8	U	
2-BUTANONE	34	U	
2-HEXANONE	34	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	178		
BENZENE	6.8	U	
BROMODICHLOROMETHANE	6.8	U	
BROMOFORM	6.8	U	
BROMOMETHANE	6.8	U	
CARBON DISULFIDE	6.8	U	
CARBON TETRACHLORIDE	6.8	U	
CHLOROBENZENE	6.8	U	
CHLORODIBROMOMETHANE	6.8	U	
CHLOROETHANE	6.8	U	
CHLOROFORM	6.8	U	
CHLOROMETHANE	6.8	U	
CIS-1,2-DICHLOROETHENE	6.8	U	
CIS-1,3-DICHLOROPROPENE	6.8	U	
ETHYLBENZENE	6.8	U	
METHYL TERT-BUTYL ETHER	6.8	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.8	U	
TETRACHLOROETHENE	6.8	U	
TOLUENE	6.8	U	

nsample	CEF-293-DU06
samp_date	10/10/2002
lab_id	F15008-15
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	CEF-293-SU-131-06

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.8	U	
TRANS-1,3-DICHLOROPROPENE	6.8	U	
TRICHLOROETHENE	6.8	U	
VINYL CHLORIDE	6.8	U	

nsample	CEF-293-DU07
samp_date	10/10/2002
lab_id	F15008-16
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	CEF-293-SU-134-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	59	U	
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	5.9	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	5.9	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	5.9	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU07
samp_date	10/10/2002
lab_id	F15008-16
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	CEF-293-SU-134-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	5.9	U	

nsample	CEF-293-DU08
samp_date	10/10/2002
lab_id	F15008-17
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	CEF-293-SU-137-01

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	64	U	
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

nsample	CEF-293-DU08
samp_date	10/10/2002
lab_id	F15008-17
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	CEF-293-SU-137-01

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-131-04
samp_date	10/10/2002
lab_id	F15008-1
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	64	U	
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

nsample	CEF-293-SU-131-04
samp_date	10/10/2002
lab_id	F15008-1
qc_type	NM
units	UG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

nsample	CEF-293-SU-131-06
samp_date	10/10/2002
lab_id	F15008-2
qc_type	NM
units	UG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	153		
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-131-06
samp_date	10/10/2002
lab_id	F15008-2
qc_type	NM
units	UG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

nsample	CEF-293-SU-132-04
samp_date	10/10/2002
lab_id	F15008-3
qc_type	NM
units	UG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.9	U	
1,1,2,2-TETRACHLOROETHANE	6.9	U	
1,1,2-TRICHLOROETHANE	6.9	U	
1,1-DICHLOROETHANE	6.9	U	
1,1-DICHLOROETHENE	6.9	U	
1,2-DICHLOROETHANE	6.9	U	
1,2-DICHLOROPROPANE	6.9	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	14.3	J	P
BENZENE	6.9	U	
BROMODICHLOROMETHANE	6.9	U	
BROMOFORM	6.9	U	
BROMOMETHANE	6.9	U	
CARBON DISULFIDE	6.9	U	
CARBON TETRACHLORIDE	6.9	U	
CHLOROBENZENE	6.9	U	
CHLORODIBROMOMETHANE	6.9	U	
CHLOROETHANE	6.9	U	
CHLOROFORM	6.9	U	
CHLOROMETHANE	6.9	U	
CIS-1,2-DICHLOROETHENE	6.9	U	
CIS-1,3-DICHLOROPROPENE	6.9	U	
ETHYLBENZENE	6.9	U	
METHYL TERT-BUTYL ETHER	6.9	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.9	U	
TETRACHLOROETHENE	6.9	U	
TOLUENE	6.9	U	

nsample	CEF-293-SU-132-04
samp_date	10/10/2002
lab_id	F15008-3
qc_type	NM
units	UG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	6.9	U	
TRANS-1,3-DICHLOROPROPENE	6.9	U	
TRICHLOROETHENE	6.9	U	
VINYL CHLORIDE	6.9	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-132-08
samp_date	10/10/2002
lab_id	F15008-4
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
2-BUTANONE	35	U	
2-HEXANONE	35	U	
4-METHYL-2-PENTANONE	35	U	
ACETONE	30.4	J	P
BENZENE	7	U	
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	7	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	7	U	
CHLOROFORM	7	U	
CHLOROMETHANE	7	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
ETHYLBENZENE	7	U	
METHYL TERT-BUTYL ETHER	7	U	
METHYLENE CHLORIDE	14	U	
STYRENE	7	U	
TETRACHLOROETHENE	7	U	
TOLUENE	7	U	

nsample	CEF-293-SU-132-08
samp_date	10/10/2002
lab_id	F15008-4
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
VINYL CHLORIDE	7	U	

nsample	CEF-293-SU-133-04
samp_date	10/10/2002
lab_id	F15008-5
qc_type	NM
units	UG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.6	U	
1,1,2,2-TETRACHLOROETHANE	5.6	U	
1,1,2-TRICHLOROETHANE	5.6	U	
1,1-DICHLOROETHANE	5.6	U	
1,1-DICHLOROETHENE	5.6	U	
1,2-DICHLOROETHANE	5.6	U	
1,2-DICHLOROPROPANE	5.6	U	
2-BUTANONE	28	U	
2-HEXANONE	28	U	
4-METHYL-2-PENTANONE	28	U	
ACETONE	56	U	
BENZENE	5.6	U	
BROMODICHLOROMETHANE	5.6	U	
BROMOFORM	5.6	U	
BROMOMETHANE	5.6	U	
CARBON DISULFIDE	5.6	U	
CARBON TETRACHLORIDE	5.6	U	
CHLOROBENZENE	5.6	U	
CHLORODIBROMOMETHANE	5.6	U	
CHLOROETHANE	5.6	U	
CHLOROFORM	5.6	U	
CHLOROMETHANE	5.6	U	
CIS-1,2-DICHLOROETHENE	5.6	U	
CIS-1,3-DICHLOROPROPENE	5.6	U	
ETHYLBENZENE	5.6	U	
METHYL TERT-BUTYL ETHER	5.6	U	
METHYLENE CHLORIDE	11	U	
STYRENE	5.6	U	
TETRACHLOROETHENE	5.6	U	
TOLUENE	5.6	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-133-04
samp_date	10/10/2002
lab_id	F15008-5
qc_type	NM
units	UG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	17	U	
TRANS-1,2-DICHLOROETHENE	5.6	U	
TRANS-1,3-DICHLOROPROPENE	5.6	U	
TRICHLOROETHENE	5.6	U	
VINYL CHLORIDE	5.6	U	

nsample	CEF-293-SU-133-08
samp_date	10/10/2002
lab_id	F15008-6
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	300	U	
1,1,2,2-TETRACHLOROETHANE	300	U	
1,1,2-TRICHLOROETHANE	300	U	
1,1-DICHLOROETHANE	300	U	
1,1-DICHLOROETHENE	300	U	
1,2-DICHLOROETHANE	300	U	
1,2-DICHLOROPROPANE	300	U	
2-BUTANONE	1500	U	
2-HEXANONE	1500	U	
4-METHYL-2-PENTANONE	1500	U	
ACETONE	3000	U	
BENZENE	300	U	
BROMODICHLOROMETHANE	300	U	
BROMOFORM	300	U	
BROMOMETHANE	300	U	
CARBON DISULFIDE	300	U	
CARBON TETRACHLORIDE	300	U	
CHLOROBENZENE	300	U	
CHLORODIBROMOMETHANE	300	U	
CHLOROETHANE	300	U	
CHLOROFORM	300	U	
CHLOROMETHANE	300	U	
CIS-1,2-DICHLOROETHENE	300	U	
CIS-1,3-DICHLOROPROPENE	300	U	
ETHYLBENZENE	1110		
METHYL TERT-BUTYL ETHER	300	U	
METHYLENE CHLORIDE	610	U	
STYRENE	300	U	
TETRACHLOROETHENE	300	U	
TOLUENE	300	U	

nsample	CEF-293-SU-133-08
samp_date	10/10/2002
lab_id	F15008-6
qc_type	NM
units	UG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	6060		
TRANS-1,2-DICHLOROETHENE	300	U	
TRANS-1,3-DICHLOROPROPENE	300	U	
TRICHLOROETHENE	300	U	
VINYL CHLORIDE	300	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-134-04
samp_date	10/10/2002
lab_id	F15008-7
qc_type	NM
units	UG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	62	U	
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-134-04
samp_date	10/10/2002
lab_id	F15008-7
qc_type	NM
units	UG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

nsample	CEF-293-SU-134-08
samp_date	10/10/2002
lab_id	F15008-8
qc_type	NM
units	UG/KG
Pct_Solids	82.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	330	U	
1,1,2,2-TETRACHLOROETHANE	330	U	
1,1,2-TRICHLOROETHANE	330	U	
1,1-DICHLOROETHANE	330	U	
1,1-DICHLOROETHENE	330	U	
1,2-DICHLOROETHANE	330	U	
1,2-DICHLOROPROPANE	330	U	
2-BUTANONE	1700	U	
2-HEXANONE	1700	U	
4-METHYL-2-PENTANONE	1700	U	
ACETONE	3300	U	
BENZENE	330	U	
BROMODICHLOROMETHANE	330	U	
BROMOFORM	330	U	
BROMOMETHANE	330	U	
CARBON DISULFIDE	330	U	
CARBON TETRACHLORIDE	330	U	
CHLOROBENZENE	330	U	
CHLORODIBROMOMETHANE	330	U	
CHLOROETHANE	330	U	
CHLOROFORM	330	U	
CHLOROMETHANE	330	U	
CIS-1,2-DICHLOROETHENE	330	U	
CIS-1,3-DICHLOROPROPENE	330	U	
ETHYLBENZENE	1890		
METHYL TERT-BUTYL ETHER	330	U	
METHYLENE CHLORIDE	660	U	
STYRENE	330	U	
TETRACHLOROETHENE	330	U	
TOLUENE	402		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-134-08
samp_date	10/10/2002
lab_id	F15008-8
qc_type	NM
units	UG/KG
Pct_Solids	82.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	9810		
TRANS-1,2-DICHLOROETHENE	330	U	
TRANS-1,3-DICHLOROPROPENE	330	U	
TRICHLOROETHENE	330	U	
VINYL CHLORIDE	330	U	

nsample	CEF-293-SU-135-04
samp_date	10/10/2002
lab_id	F15008-9
qc_type	NM
units	UG/KG
Pct_Solids	75.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	7.9	U	
1,1,2,2-TETRACHLOROETHANE	7.9	U	
1,1,2-TRICHLOROETHANE	7.9	U	
1,1-DICHLOROETHANE	7.9	U	
1,1-DICHLOROETHENE	7.9	U	
1,2-DICHLOROETHANE	7.9	U	
1,2-DICHLOROPROPANE	7.9	U	
2-BUTANONE	40	U	
2-HEXANONE	40	U	
4-METHYL-2-PENTANONE	40	U	
ACETONE	79	U	
BENZENE	7.9	U	
BROMODICHLOROMETHANE	7.9	U	
BROMOFORM	7.9	U	
BROMOMETHANE	7.9	U	
CARBON DISULFIDE	7.9	U	
CARBON TETRACHLORIDE	7.9	U	
CHLOROBENZENE	7.9	U	
CHLORODIBROMOMETHANE	7.9	U	
CHLOROETHANE	7.9	U	
CHLOROFORM	7.9	U	
CHLOROMETHANE	7.9	U	
CIS-1,2-DICHLOROETHENE	7.9	U	
CIS-1,3-DICHLOROPROPENE	7.9	U	
ETHYLBENZENE	7.9	U	
METHYL TERT-BUTYL ETHER	7.9	U	
METHYLENE CHLORIDE	16	U	
STYRENE	7.9	U	
TETRACHLOROETHENE	7.9	U	
TOLUENE	7.9	U	

nsample	CEF-293-SU-135-04
samp_date	10/10/2002
lab_id	F15008-9
qc_type	NM
units	UG/KG
Pct_Solids	75.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	24	U	
TRANS-1,2-DICHLOROETHENE	7.9	U	
TRANS-1,3-DICHLOROPROPENE	7.9	U	
TRICHLOROETHENE	7.9	U	
VINYL CHLORIDE	7.9	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-135-08
samp_date	10/10/2002
lab_id	F15008-10
qc_type	NM
units	UG/KG
Pct_Solids	88.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	48.4	J	P
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	6.3	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	6.3	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	6.3	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.3	U	
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	

nsample	CEF-293-SU-135-08
samp_date	10/10/2002
lab_id	F15008-10
qc_type	NM
units	UG/KG
Pct_Solids	88.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	6.3	U	

nsample	CEF-293-SU-136-04
samp_date	10/10/2002
lab_id	F15008-11
qc_type	NM
units	UG/KG
Pct_Solids	79.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.7	U	
1,1,2,2-TETRACHLOROETHANE	6.7	U	
1,1,2-TRICHLOROETHANE	6.7	U	
1,1-DICHLOROETHANE	6.7	U	
1,1-DICHLOROETHENE	6.7	U	
1,2-DICHLOROETHANE	6.7	U	
1,2-DICHLOROPROPANE	6.7	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	15.4	J	P
BENZENE	6.7	U	
BROMODICHLOROMETHANE	6.7	U	
BROMOFORM	6.7	U	
BROMOMETHANE	6.7	U	
CARBON DISULFIDE	6.7	U	
CARBON TETRACHLORIDE	6.7	U	
CHLOROBENZENE	6.7	U	
CHLORODIBROMOMETHANE	6.7	U	
CHLOROETHANE	6.7	U	
CHLOROFORM	6.7	U	
CHLOROMETHANE	6.7	U	
CIS-1,2-DICHLOROETHENE	6.7	U	
CIS-1,3-DICHLOROPROPENE	6.7	U	
ETHYLBENZENE	6.7	U	
METHYL TERT-BUTYL ETHER	6.7	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.7	U	
TETRACHLOROETHENE	6.7	U	
TOLUENE	6.7	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-136-04
samp_date	10/10/2002
lab_id	F15008-11
qc_type	NM
units	UG/KG
Pct_Solids	79.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.7	U	
TRANS-1,3-DICHLOROPROPENE	6.7	U	
TRICHLOROETHENE	6.7	U	
VINYL CHLORIDE	6.7	U	

nsample	CEF-293-SU-136-06
samp_date	10/10/2002
lab_id	F15008-12
qc_type	NM
units	UG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.8	U	
1,1,2,2-TETRACHLOROETHANE	6.8	U	
1,1,2-TRICHLOROETHANE	6.8	U	
1,1-DICHLOROETHANE	6.8	U	
1,1-DICHLOROETHENE	6.8	U	
1,2-DICHLOROETHANE	6.8	U	
1,2-DICHLOROPROPANE	6.8	U	
2-BUTANONE	34	U	
2-HEXANONE	34	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	37.8	J	P
BENZENE	6.8	U	
BROMODICHLOROMETHANE	6.8	U	
BROMOFORM	6.8	U	
BROMOMETHANE	6.8	U	
CARBON DISULFIDE	6.8	U	
CARBON TETRACHLORIDE	6.8	U	
CHLOROBENZENE	6.8	U	
CHLORODIBROMOMETHANE	6.8	U	
CHLOROETHANE	6.8	U	
CHLOROFORM	6.8	U	
CHLOROMETHANE	6.8	U	
CIS-1,2-DICHLOROETHENE	6.8	U	
CIS-1,3-DICHLOROPROPENE	6.8	U	
ETHYLBENZENE	6.8	U	
METHYL TERT-BUTYL ETHER	6.8	U	
METHYLENE CHLORIDE	14	U	
STYRENE	6.8	U	
TETRACHLOROETHENE	6.8	U	
TOLUENE	6.8	U	

nsample	CEF-293-SU-136-06
samp_date	10/10/2002
lab_id	F15008-12
qc_type	NM
units	UG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	20	U	
TRANS-1,2-DICHLOROETHENE	6.8	U	
TRANS-1,3-DICHLOROPROPENE	6.8	U	
TRICHLOROETHENE	6.8	U	
VINYL CHLORIDE	6.8	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-137-01
samp_date	10/10/2002
lab_id	F15008-13
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	62	U	
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-137-01
samp_date	10/10/2002
lab_id	F15008-13
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

nsample	CEF-293-SU-137-04
samp_date	10/10/2002
lab_id	F15008-14
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	37	J	P
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	6.5	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	6.5	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	6.5	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.5	U	
TETRACHLOROETHENE	6.5	U	
TOLUENE	6.5	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-137-04
samp_date	10/10/2002
lab_id	F15008-14
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	6.5	U	

nsample	CEF-293-SU-137-08
samp_date	10/10/2002
lab_id	F15008-18
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	31	U	
2-HEXANONE	31	U	
4-METHYL-2-PENTANONE	31	U	
ACETONE	330		
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	6.2	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	6.2	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	6.2	U	
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	2.6	J	P
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.2	U	
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	

nsample	CEF-293-SU-137-08
samp_date	10/10/2002
lab_id	F15008-18
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	12.1	J	P
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	
VINYL CHLORIDE	6.2	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-138-01
samp_date	10/10/2002
lab_id	F15008-19
qc_type	NM
units	UG/KG
Pct_Solids	90.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	22.2	J	P
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

nsample	CEF-293-SU-138-01
samp_date	10/10/2002
lab_id	F15008-19
qc_type	NM
units	UG/KG
Pct_Solids	90.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-SU-138-04
samp_date	10/10/2002
lab_id	F15008-20
qc_type	NM
units	UG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	30	U	
2-HEXANONE	30	U	
4-METHYL-2-PENTANONE	30	U	
ACETONE	61	U	
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	6.1	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	6.1	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	6.1	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-138-04
samp_date	10/10/2002
lab_id	F15008-20
qc_type	NM
units	UG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	18	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	6.1	U	

nsample	CEF-293-SU-138-08
samp_date	10/10/2002
lab_id	F15008-21
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	205		
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	6.4	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	6.4	U	
CHLOROFORM	6.4	U	
CHLOROMETHANE	6.4	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	13	U	
STYRENE	6.4	U	
TETRACHLOROETHENE	6.4	U	
TOLUENE	6.4	U	

nsample	CEF-293-SU-138-08
samp_date	10/10/2002
lab_id	F15008-21
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	6.4	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-DU06	nsample	CEF-293-DU07	nsample	CEF-293-DU08
samp_date	10/10/2002	samp_date	10/10/2002	samp_date	10/10/2002
lab_id	F15008-15	lab_id	F15008-16	lab_id	F15008-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	86.2	Pct_Solids	88	Pct_Solids	94
DUP_OF:	CEF-293-SU-131-06	DUP_OF:	CEF-293-SU-134-04	DUP_OF:	CEF-293-SU-137-01

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	310	U	
2-METHYLNAPHTHALENE	310	U	
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	62	U	
BENZO(A)PYRENE	62	U	
BENZO(B)FLUORANTHENE	62	U	
BENZO(G,H,I)PERYLENE	62	U	
BENZO(K)FLUORANTHENE	62	U	
CHRYSENE	62	U	
DIBENZO(A,H)ANTHRACENE	62	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	62	U	
NAPHTHALENE	310	U	
PHENANTHRENE	310	U	
PYRENE	310	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	280	U	
2-METHYLNAPHTHALENE	280	U	
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	34.1	J	P
BENZO(A)PYRENE	53.1	J	P
BENZO(B)FLUORANTHENE	36.5	J	P
BENZO(G,H,I)PERYLENE	38.6	J	P
BENZO(K)FLUORANTHENE	41	J	P
CHRYSENE	38.5	J	P
DIBENZO(A,H)ANTHRACENE	56	U	
FLUORANTHENE	44.6	J	P
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	43.5	J	P
NAPHTHALENE	280	U	
PHENANTHRENE	280	U	
PYRENE	41.7	J	P

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-131-04	nsample	CEF-293-SU-131-06	nsample	CEF-293-SU-132-04
samp_date	10/10/2002	samp_date	10/10/2002	samp_date	10/10/2002
lab_id	F15008-1	lab_id	F15008-2	lab_id	F15008-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	93.8	Pct_Solids	89.1	Pct_Solids	81.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	280	U	
2-METHYLNAPHTHALENE	280	U	
ACENAPHTHENE	280	U	
ACENAPHTHYLENE	280	U	
ANTHRACENE	280	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	280	U	
FLUORENE	280	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	280	U	
PHENANTHRENE	280	U	
PYRENE	280	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	59	U	
BENZO(A)PYRENE	59	U	
BENZO(B)FLUORANTHENE	59	U	
BENZO(G,H,I)PERYLENE	59	U	
BENZO(K)FLUORANTHENE	59	U	
CHRYSENE	59	U	
DIBENZO(A,H)ANTHRACENE	59	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	59	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	66	U	
BENZO(A)PYRENE	66	U	
BENZO(B)FLUORANTHENE	66	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	66	U	
CHRYSENE	66	U	
DIBENZO(A,H)ANTHRACENE	66	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	66	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-132-08	nsample	CEF-293-SU-133-04	nsample	CEF-293-SU-133-08
samp_date	10/10/2002	samp_date	10/10/2002	samp_date	10/10/2002
lab_id	F15008-4	lab_id	F15008-5	lab_id	F15008-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.9	Pct_Solids	87.4	Pct_Solids	86.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	65	U	
BENZO(A)PYRENE	65	U	
BENZO(B)FLUORANTHENE	65	U	
BENZO(G,H,I)PERYLENE	65	U	
BENZO(K)FLUORANTHENE	65	U	
CHRYSENE	65	U	
DIBENZO(A,H)ANTHRACENE	65	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	65	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	60	U	
BENZO(A)PYRENE	60	U	
BENZO(B)FLUORANTHENE	60	U	
BENZO(G,H,I)PERYLENE	60	U	
BENZO(K)FLUORANTHENE	60	U	
CHRYSENE	60	U	
DIBENZO(A,H)ANTHRACENE	60	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	60	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	16300		
2-METHYLNAPHTHALENE	23600		
ACENAPHTHENE	1500	U	
ACENAPHTHYLENE	1500	U	
ANTHRACENE	1500	U	
BENZO(A)ANTHRACENE	310	U	
BENZO(A)PYRENE	310	U	
BENZO(B)FLUORANTHENE	310	U	
BENZO(G,H,I)PERYLENE	310	U	
BENZO(K)FLUORANTHENE	310	U	
CHRYSENE	310	U	
DIBENZO(A,H)ANTHRACENE	310	U	
FLUORANTHENE	1500	U	
FLUORENE	1500	U	
INDENO(1,2,3-CD)PYRENE	310	U	
NAPHTHALENE	13700		
PHENANTHRENE	1500	U	
PYRENE	1500	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-134-04	nsample	CEF-293-SU-134-08	nsample	CEF-293-SU-135-04
samp_date	10/10/2002	samp_date	10/10/2002	samp_date	10/10/2002
lab_id	F15008-7	lab_id	F15008-8	lab_id	F15008-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	86.4	Pct_Solids	82.5	Pct_Solids	75.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	61	U	
BENZO(A)PYRENE	15	J	P
BENZO(B)FLUORANTHENE	61	U	
BENZO(G,H,I)PERYLENE	61	U	
BENZO(K)FLUORANTHENE	61	U	
CHRYSENE	61	U	
DIBENZO(A,H)ANTHRACENE	61	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	61	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	886		
2-METHYLNAPHTHALENE	1300		
ACENAPHTHENE	310	U	
ACENAPHTHYLENE	310	U	
ANTHRACENE	310	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	310	U	
FLUORENE	310	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	690		
PHENANTHRENE	310	U	
PYRENE	310	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	350	U	
2-METHYLNAPHTHALENE	350	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ANTHRACENE	350	U	
BENZO(A)ANTHRACENE	70	U	
BENZO(A)PYRENE	70	U	
BENZO(B)FLUORANTHENE	70	U	
BENZO(G,H,I)PERYLENE	70	U	
BENZO(K)FLUORANTHENE	70	U	
CHRYSENE	70	U	
DIBENZO(A,H)ANTHRACENE	70	U	
FLUORANTHENE	350	U	
FLUORENE	350	U	
INDENO(1,2,3-CD)PYRENE	70	U	
NAPHTHALENE	350	U	
PHENANTHRENE	350	U	
PYRENE	350	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-135-08	nsample	CEF-293-SU-136-04	nsample	CEF-293-SU-136-06
samp_date	10/10/2002	samp_date	10/10/2002	samp_date	10/10/2002
lab_id	F15008-10	lab_id	F15008-11	lab_id	F15008-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	88.7	Pct_Solids	79.2	Pct_Solids	81.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	300	U	
2-METHYLNAPHTHALENE	300	U	
ACENAPHTHENE	300	U	
ACENAPHTHYLENE	300	U	
ANTHRACENE	300	U	
BENZO(A)ANTHRACENE	59	U	
BENZO(A)PYRENE	59	U	
BENZO(B)FLUORANTHENE	59	U	
BENZO(G,H,I)PERYLENE	59	U	
BENZO(K)FLUORANTHENE	59	U	
CHRYSENE	59	U	
DIBENZO(A,H)ANTHRACENE	59	U	
FLUORANTHENE	300	U	
FLUORENE	300	U	
INDENO(1,2,3-CD)PYRENE	59	U	
NAPHTHALENE	300	U	
PHENANTHRENE	300	U	
PYRENE	300	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	67	U	
BENZO(A)PYRENE	67	U	
BENZO(B)FLUORANTHENE	67	U	
BENZO(G,H,I)PERYLENE	67	U	
BENZO(K)FLUORANTHENE	67	U	
CHRYSENE	67	U	
DIBENZO(A,H)ANTHRACENE	67	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	67	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	66	U	
BENZO(A)PYRENE	66	U	
BENZO(B)FLUORANTHENE	66	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	66	U	
CHRYSENE	66	U	
DIBENZO(A,H)ANTHRACENE	66	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	66	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-137-01
samp_date	10/10/2002
lab_id	F15008-13
qc_type	NM
units	UG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	57	U	
BENZO(A)PYRENE	57	U	
BENZO(B)FLUORANTHENE	57	U	
BENZO(G,H,I)PERYLENE	57	U	
BENZO(K)FLUORANTHENE	57	U	
CHRYSENE	57	U	
DIBENZO(A,H)ANTHRACENE	57	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	57	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-137-04
samp_date	10/10/2002
lab_id	F15008-14
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	330	U	
2-METHYLNAPHTHALENE	330	U	
ACENAPHTHENE	330	U	
ACENAPHTHYLENE	330	U	
ANTHRACENE	330	U	
BENZO(A)ANTHRACENE	66	U	
BENZO(A)PYRENE	66	U	
BENZO(B)FLUORANTHENE	66	U	
BENZO(G,H,I)PERYLENE	66	U	
BENZO(K)FLUORANTHENE	66	U	
CHRYSENE	66	U	
DIBENZO(A,H)ANTHRACENE	66	U	
FLUORANTHENE	330	U	
FLUORENE	330	U	
INDENO(1,2,3-CD)PYRENE	66	U	
NAPHTHALENE	330	U	
PHENANTHRENE	330	U	
PYRENE	330	U	

nsample	CEF-293-SU-137-08
samp_date	10/10/2002
lab_id	F15008-18
qc_type	NM
units	UG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	63	U	
BENZO(A)PYRENE	63	U	
BENZO(B)FLUORANTHENE	63	U	
BENZO(G,H,I)PERYLENE	63	U	
BENZO(K)FLUORANTHENE	63	U	
CHRYSENE	63	U	
DIBENZO(A,H)ANTHRACENE	63	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	63	U	
NAPHTHALENE	98.3	J	P
PHENANTHRENE	320	U	
PYRENE	320	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-138-01
samp_date	10/10/2002
lab_id	F15008-19
qc_type	NM
units	UG/KG
Pct_Solids	90.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	290	U	
2-METHYLNAPHTHALENE	290	U	
ACENAPHTHENE	290	U	
ACENAPHTHYLENE	290	U	
ANTHRACENE	290	U	
BENZO(A)ANTHRACENE	58	U	
BENZO(A)PYRENE	58	U	
BENZO(B)FLUORANTHENE	58	U	
BENZO(G,H,I)PERYLENE	58	U	
BENZO(K)FLUORANTHENE	58	U	
CHRYSENE	58	U	
DIBENZO(A,H)ANTHRACENE	58	U	
FLUORANTHENE	290	U	
FLUORENE	290	U	
INDENO(1,2,3-CD)PYRENE	58	U	
NAPHTHALENE	290	U	
PHENANTHRENE	290	U	
PYRENE	290	U	

nsample	CEF-293-SU-138-04
samp_date	10/10/2002
lab_id	F15008-20
qc_type	NM
units	UG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	65	U	
BENZO(A)PYRENE	65	U	
BENZO(B)FLUORANTHENE	65	U	
BENZO(G,H,I)PERYLENE	65	U	
BENZO(K)FLUORANTHENE	65	U	
CHRYSENE	65	U	
DIBENZO(A,H)ANTHRACENE	65	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	65	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

nsample	CEF-293-SU-138-08
samp_date	10/10/2002
lab_id	F15008-21
qc_type	NM
units	UG/KG
Pct_Solids	82.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	320	U	
2-METHYLNAPHTHALENE	320	U	
ACENAPHTHENE	320	U	
ACENAPHTHYLENE	320	U	
ANTHRACENE	320	U	
BENZO(A)ANTHRACENE	64	U	
BENZO(A)PYRENE	64	U	
BENZO(B)FLUORANTHENE	64	U	
BENZO(G,H,I)PERYLENE	64	U	
BENZO(K)FLUORANTHENE	64	U	
CHRYSENE	64	U	
DIBENZO(A,H)ANTHRACENE	64	U	
FLUORANTHENE	320	U	
FLUORENE	320	U	
INDENO(1,2,3-CD)PYRENE	64	U	
NAPHTHALENE	320	U	
PHENANTHRENE	320	U	
PYRENE	320	U	

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-DU06
samp_date	10/10/2002
lab_id	F15008-15
qc_type	NM
units	MG/KG
Pct_Solids	86.2
DUP_OF:	CEF-293-SU-131-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	23.2	J	G

nsample	CEF-293-DU07
samp_date	10/10/2002
lab_id	F15008-16
qc_type	NM
units	MG/KG
Pct_Solids	88
DUP_OF:	CEF-293-SU-134-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	709	J	G

nsample	CEF-293-DU08
samp_date	10/10/2002
lab_id	F15008-17
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	CEF-293-SU-137-01

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	16.8		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-131-04
samp_date	10/10/2002
lab_id	F15008-1
qc_type	NM
units	MG/KG
Pct_Solids	93.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11.6		

nsample	CEF-293-SU-131-06
samp_date	10/10/2002
lab_id	F15008-2
qc_type	NM
units	MG/KG
Pct_Solids	89.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	49.2	J	G

nsample	CEF-293-SU-132-04
samp_date	10/10/2002
lab_id	F15008-3
qc_type	NM
units	MG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	21.1		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-132-08
samp_date	10/10/2002
lab_id	F15008-4
qc_type	NM
units	MG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10	U	

nsample	CEF-293-SU-133-04
samp_date	10/10/2002
lab_id	F15008-5
qc_type	NM
units	MG/KG
Pct_Solids	87.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1660		

nsample	CEF-293-SU-133-08
samp_date	10/10/2002
lab_id	F15008-6
qc_type	NM
units	MG/KG
Pct_Solids	86.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4010		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-134-04
samp_date	10/10/2002
lab_id	F15008-7
qc_type	NM
units	MG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1710	J	G

nsample	CEF-293-SU-134-08
samp_date	10/10/2002
lab_id	F15008-8
qc_type	NM
units	MG/KG
Pct_Solids	82.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	295		

nsample	CEF-293-SU-135-04
samp_date	10/10/2002
lab_id	F15008-9
qc_type	NM
units	MG/KG
Pct_Solids	75.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.83	J	P

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-135-08
samp_date	10/10/2002
lab_id	F15008-10
qc_type	NM
units	MG/KG
Pct_Solids	88.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.3	U	

nsample	CEF-293-SU-136-04
samp_date	10/10/2002
lab_id	F15008-11
qc_type	NM
units	MG/KG
Pct_Solids	79.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	27.8		

nsample	CEF-293-SU-136-06
samp_date	10/10/2002
lab_id	F15008-12
qc_type	NM
units	MG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	15.3		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-137-01
samp_date	10/10/2002
lab_id	F15008-13
qc_type	NM
units	MG/KG
Pct_Solids	92.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10.2		

nsample	CEF-293-SU-137-04
samp_date	10/10/2002
lab_id	F15008-14
qc_type	NM
units	MG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	46.6		

nsample	CEF-293-SU-137-08
samp_date	10/10/2002
lab_id	F15008-18
qc_type	NM
units	MG/KG
Pct_Solids	83.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	64.8		

PROJ_NO: 0039

SDG: F15008 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-138-01
samp_date	10/10/2002
lab_id	F15008-19
qc_type	NM
units	MG/KG
Pct_Solids	90.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	12.1		

nsample	CEF-293-SU-138-04
samp_date	10/10/2002
lab_id	F15008-20
qc_type	NM
units	MG/KG
Pct_Solids	81.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	20.4		

nsample	CEF-293-SU-138-08
samp_date	10/10/2002
lab_id	F15008-21
qc_type	NM
units	MG/KG
Pct_Solids	17.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU06		
Lab Sample ID:	F15008-15	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018604.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.28 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	178	68	14	ug/kg	
71-43-2	Benzene	ND	6.8	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	2.7	ug/kg	
75-25-2	Bromoform	ND	6.8	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.8	4.1	ug/kg	
67-66-3	Chloroform	ND	6.8	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.8	2.7	ug/kg	
100-42-5	Styrene	ND	6.8	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	2.7	ug/kg	
108-88-3	Toluene	ND	6.8	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU06		
Lab Sample ID:	F15008-15	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU07		
Lab Sample ID:	F15008-16	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018605.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.78 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	12	ug/kg	
71-43-2	Benzene	ND	5.9	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.4	ug/kg	
75-25-2	Bromoform	ND	5.9	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.4	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.6	ug/kg	
67-66-3	Chloroform	ND	5.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.4	ug/kg	
100-42-5	Styrene	ND	5.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.4	ug/kg	
108-88-3	Toluene	ND	5.9	2.4	ug/kg	

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

Report of Analysis

Client Sample ID:	CEF-293-DU07		
Lab Sample ID:	F15008-16	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	112%		79-121%
460-00-4	4-Bromofluorobenzene	108%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU08		
Lab Sample ID:	F15008-17	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	94.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018627.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.13 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.9	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU08		
Lab Sample ID:	F15008-17	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	94.0
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	113%		79-121%
460-00-4	4-Bromofluorobenzene	114%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-04		
Lab Sample ID:	F15008-1	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018591.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.17 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.8	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

0101

Report of Analysis

Client Sample ID:	CEF-293-SU-131-04		
Lab Sample ID:	F15008-1	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	116%		77-133%
17060-07-0	1,2-Dichloroethane-D4	90%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-06		
Lab Sample ID:	F15008-2	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018592.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.31 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	153	65	13	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-131-06		
Lab Sample ID:	F15008-2	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	120%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-04		
Lab Sample ID:	F15008-3	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018593.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.46 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.3	69	14	ug/kg	J
71-43-2	Benzene	ND	6.9	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	2.8	ug/kg	
75-25-2	Bromoform	ND	6.9	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	2.8	ug/kg	
75-00-3	Chloroethane	ND	6.9	4.1	ug/kg	
67-66-3	Chloroform	ND	6.9	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	6.9	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.9	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.9	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.9	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	6.9	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	6.9	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.9	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	6.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.9	2.8	ug/kg	
100-42-5	Styrene	ND	6.9	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.9	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.9	2.8	ug/kg	
108-88-3	Toluene	ND	6.9	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

0110

Report of Analysis

Client Sample ID:	CEF-293-SU-132-04		
Lab Sample ID:	F15008-3	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.9	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	117%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-08		
Lab Sample ID:	F15008-4	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018624.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.33 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	30.4	70	14	ug/kg	J
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value 0115
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-08		
Lab Sample ID:	F15008-4	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-04		
Lab Sample ID:	F15008-5	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018594.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	5.10 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	11	ug/kg	
71-43-2	Benzene	ND	5.6	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	2.2	ug/kg	
75-25-2	Bromoform	ND	5.6	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	2.2	ug/kg	
75-00-3	Chloroethane	ND	5.6	3.4	ug/kg	
67-66-3	Chloroform	ND	5.6	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	2.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	2.2	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.6	2.2	ug/kg	
100-42-5	Styrene	ND	5.6	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	2.2	ug/kg	
108-88-3	Toluene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-133-04		
Lab Sample ID:	F15008-5	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.6	2.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-08		
Lab Sample ID:	F15008-6	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018642.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.79 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	610	ug/kg	
71-43-2	Benzene	ND	300	120	ug/kg	
75-27-4	Bromodichloromethane	ND	300	120	ug/kg	
75-25-2	Bromoform	ND	300	120	ug/kg	
108-90-7	Chlorobenzene	ND	300	120	ug/kg	
75-00-3	Chloroethane	ND	300	180	ug/kg	
67-66-3	Chloroform	ND	300	120	ug/kg	
75-15-0	Carbon disulfide	ND	300	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	120	ug/kg	
124-48-1	Dibromochloromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	120	ug/kg	
100-41-4	Ethylbenzene	1110	300	120	ug/kg	
591-78-6	2-Hexanone	ND	1500	610	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	610	ug/kg	
74-83-9	Methyl bromide	ND	300	120	ug/kg	
74-87-3	Methyl chloride	ND	300	120	ug/kg	
75-09-2	Methylene chloride	ND	610	300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	610	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	300	120	ug/kg	
100-42-5	Styrene	ND	300	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	120	ug/kg	
108-88-3	Toluene	ND	300	120	ug/kg	

0125

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-133-08		
Lab Sample ID:	F15008-6	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	300	120	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
1330-20-7	Xylene (total)	6060	910	240	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	108%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-04		
Lab Sample ID:	F15008-7	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018595.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.69 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-134-04		
Lab Sample ID:	F15008-7	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	110%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-08		
Lab Sample ID:	F15008-8	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	82.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018643.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.58 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	660	ug/kg	
71-43-2	Benzene	ND	330	130	ug/kg	
75-27-4	Bromodichloromethane	ND	330	130	ug/kg	
75-25-2	Bromoform	ND	330	130	ug/kg	
108-90-7	Chlorobenzene	ND	330	130	ug/kg	
75-00-3	Chloroethane	ND	330	200	ug/kg	
67-66-3	Chloroform	ND	330	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	130	ug/kg	
124-48-1	Dibromochloromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	130	ug/kg	
100-41-4	Ethylbenzene	1890	330	130	ug/kg	
591-78-6	2-Hexanone	ND	1700	660	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	660	ug/kg	
74-83-9	Methyl bromide	ND	330	130	ug/kg	
74-87-3	Methyl chloride	ND	330	130	ug/kg	
75-09-2	Methylene chloride	ND	660	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	660	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	330	130	ug/kg	
100-42-5	Styrene	ND	330	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	130	ug/kg	
108-88-3	Toluene	402	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-134-08		
Lab Sample ID:	F15008-8	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	82.5
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	330	130	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
1330-20-7	Xylene (total)	9810	990	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	112%		79-121%
460-00-4	4-Bromofluorobenzene	118%		77-133%
17060-07-0	1,2-Dichloroethane-D4	87%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-04		
Lab Sample ID:	F15008-9	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	75.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018598.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.17 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	79	16	ug/kg	
71-43-2	Benzene	ND	7.9	3.2	ug/kg	
75-27-4	Bromodichloromethane	ND	7.9	3.2	ug/kg	
75-25-2	Bromoform	ND	7.9	3.2	ug/kg	
108-90-7	Chlorobenzene	ND	7.9	3.2	ug/kg	
75-00-3	Chloroethane	ND	7.9	4.8	ug/kg	
67-66-3	Chloroform	ND	7.9	3.2	ug/kg	
75-15-0	Carbon disulfide	ND	7.9	3.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.9	3.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.9	3.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.9	3.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.9	3.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.9	3.2	ug/kg	
124-48-1	Dibromochloromethane	ND	7.9	3.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.9	3.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.9	3.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.9	3.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.9	3.2	ug/kg	
100-41-4	Ethylbenzene	ND	7.9	3.2	ug/kg	
591-78-6	2-Hexanone	ND	40	16	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	40	16	ug/kg	
74-83-9	Methyl bromide	ND	7.9	3.2	ug/kg	
74-87-3	Methyl chloride	ND	7.9	3.2	ug/kg	
75-09-2	Methylene chloride	ND	16	7.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	40	16	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.9	3.2	ug/kg	
100-42-5	Styrene	ND	7.9	3.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.9	3.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.9	3.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.9	3.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.9	3.2	ug/kg	
108-88-3	Toluene	ND	7.9	3.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-135-04		
Lab Sample ID:	F15008-9	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	75.5
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.9	3.2	ug/kg	
75-01-4	Vinyl chloride	ND	7.9	3.2	ug/kg	
1330-20-7	Xylene (total)	ND	24	6.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	91%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-08		
Lab Sample ID:	F15008-10	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	88.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018599.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.48 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	48.4	63	13	ug/kg	J
71-43-2	Benzene	ND	6.3	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	2.5	ug/kg	
75-25-2	Bromoform	ND	6.3	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.3	3.8	ug/kg	
67-66-3	Chloroform	ND	6.3	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	13	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.3	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.3	2.5	ug/kg	
100-42-5	Styrene	ND	6.3	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	2.5	ug/kg	
108-88-3	Toluene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-135-08		
Lab Sample ID:	F15008-10	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	88.7
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.3	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-04		
Lab Sample ID:	F15008-11	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	79.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018600.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.74 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.4	67	13	ug/kg	J
71-43-2	Benzene	ND	6.7	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	2.7	ug/kg	
75-25-2	Bromoform	ND	6.7	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.7	4.0	ug/kg	
67-66-3	Chloroform	ND	6.7	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	2.7	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	2.7	ug/kg	
108-88-3	Toluene	ND	6.7	2.7	ug/kg	

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

Report of Analysis

Client Sample ID:	CEF-293-SU-136-04		
Lab Sample ID:	F15008-11	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	79.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.7	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-06		
Lab Sample ID:	F15008-12	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018623.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.55 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.8	68	14	ug/kg	J
71-43-2	Benzene	ND	6.8	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	2.7	ug/kg	
75-25-2	Bromoform	ND	6.8	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.8	4.1	ug/kg	
67-66-3	Chloroform	ND	6.8	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.8	2.7	ug/kg	
100-42-5	Styrene	ND	6.8	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	2.7	ug/kg	
108-88-3	Toluene	ND	6.8	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-136-06		
Lab Sample ID:	F15008-12	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	106%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-01		
Lab Sample ID:	F15008-13	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018602.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.35 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-137-01		
Lab Sample ID:	F15008-13	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	112%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-04		
Lab Sample ID:	F15008-14	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018603.D	1	10/21/02	NAF	n/a	n/a	VH646
Run #2							

	Initial Weight
Run #1	4.77 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.0	65	13	ug/kg	J
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-137-04		
Lab Sample ID:	F15008-14	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-08		
Lab Sample ID:	F15008-18	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018619.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.78 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	330	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	2.6	6.2	2.5	ug/kg	J
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-08		
Lab Sample ID:	F15008-18	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	12.1	19	5.0	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-01		
Lab Sample ID:	F15008-19	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	90.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018620.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.56 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	22.2	61	12	ug/kg	J
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-138-01		
Lab Sample ID:	F15008-19	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	90.5
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	112%		79-121%
460-00-4	4-Bromofluorobenzene	114%		77-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-04		
Lab Sample ID:	F15008-20	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018621.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	5.06 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.7	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-138-04		
Lab Sample ID:	F15008-20	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	114%		77-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-08		
Lab Sample ID:	F15008-21	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018622.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.71 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	205	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.9	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-138-08		
Lab Sample ID:	F15008-21	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8260B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU06		
Lab Sample ID:	F15008-15	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012639.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	77	ug/kg	
208-96-8	Acenaphthylene	ND	310	77	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	62	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	62	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	62	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	62	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	62	15	ug/kg	
218-01-9	Chrysene	ND	62	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	62	15	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	62	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		41-123%
321-60-8	2-Fluorobiphenyl	91%		46-122%
1718-51-0	Terphenyl-d14	95%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU07		
Lab Sample ID:	F15008-16	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012640.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU08		
Lab Sample ID:	F15008-17	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	94.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012641.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	70	ug/kg	
208-96-8	Acenaphthylene	ND	280	70	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	34.1	56	14	ug/kg	J
50-32-8	Benzo(a)pyrene	53.1	56	14	ug/kg	J
205-99-2	Benzo(b)fluoranthene	36.5	56	14	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	38.6	56	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	41.0	56	14	ug/kg	J
218-01-9	Chrysene	38.5	56	14	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	56	14	ug/kg	
206-44-0	Fluoranthene	44.6	280	35	ug/kg	J
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	43.5	56	14	ug/kg	J
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	41.7	280	35	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	90%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-04		
Lab Sample ID:	F15008-1	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012582.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		41-123%
321-60-8	2-Fluorobiphenyl	90%		46-122%
1718-51-0	Terphenyl-d14	100%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-06		
Lab Sample ID:	F15008-2	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012588.D	4	10/17/02	ME	10/15/02	OP6117	SW679
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	74	ug/kg	
208-96-8	Acenaphthylene	ND	300	74	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	59	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	59	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	59	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	59	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	59	15	ug/kg	
218-01-9	Chrysene	ND	59	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	59	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	94%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-04		
Lab Sample ID:	F15008-3	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012583.D	4	10/17/02	ME	10/15/02	OP6117	SW678
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	82	ug/kg	
208-96-8	Acenaphthylene	ND	330	82	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	66	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	66	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	66	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	66	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	16	ug/kg	
218-01-9	Chrysene	ND	66	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	92%		46-122%
1718-51-0	Terphenyl-d14	97%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-08		
Lab Sample ID:	F15008-4	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012589.D	4	10/17/02	ME	10/15/02	OP6117	SW679
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	81	ug/kg	
208-96-8	Acenaphthylene	ND	330	81	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		41-123%
321-60-8	2-Fluorobiphenyl	81%		46-122%
1718-51-0	Terphenyl-d14	97%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-04		
Lab Sample ID:	F15008-5	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012590.D	4	10/17/02	ME	10/15/02	OP6117	SW679
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	96%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	90%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-08		
Lab Sample ID:	F15008-6	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012591.D	20	10/18/02	ME	10/15/02	OP6117	SW679
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1500	380	ug/kg	
208-96-8	Acenaphthylene	ND	1500	380	ug/kg	
120-12-7	Anthracene	ND	1500	190	ug/kg	
56-55-3	Benzo(a)anthracene	ND	310	76	ug/kg	
50-32-8	Benzo(a)pyrene	ND	310	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	310	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	310	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	310	76	ug/kg	
218-01-9	Chrysene	ND	310	76	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	310	76	ug/kg	
206-44-0	Fluoranthene	ND	1500	190	ug/kg	
86-73-7	Fluorene	ND	1500	190	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	310	76	ug/kg	
90-12-0	1-Methylnaphthalene	16300	1500	190	ug/kg	
91-57-6	2-Methylnaphthalene	23600	1500	190	ug/kg	
91-20-3	Naphthalene	13700	1500	190	ug/kg	
85-01-8	Phenanthrene	ND	1500	190	ug/kg	
129-00-0	Pyrene	ND	1500	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	0% [a]		41-123%
321-60-8	2-Fluorobiphenyl	0% [a]		46-122%
1718-51-0	Terphenyl-d14	0% [a]		45-135%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-04		
Lab Sample ID:	F15008-7	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012592.D	4	10/18/02	ME	10/15/02	OP6117	SW679
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	76	ug/kg	
208-96-8	Acenaphthylene	ND	300	76	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	15.0	61	15	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	89%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-08		
Lab Sample ID:	F15008-8	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012630.D	4	10/18/02	ME	10/15/02	OP6117	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	886	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	1300	310	39	ug/kg	
91-20-3	Naphthalene	690	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	93%		45-135%

0417

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-04		
Lab Sample ID:	F15008-9	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	75.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012633.D	4	10/18/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	350	88	ug/kg	
208-96-8	Acenaphthylene	ND	350	88	ug/kg	
120-12-7	Anthracene	ND	350	44	ug/kg	
56-55-3	Benzo(a)anthracene	ND	70	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	70	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	70	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	70	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	18	ug/kg	
218-01-9	Chrysene	ND	70	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	18	ug/kg	
206-44-0	Fluoranthene	ND	350	44	ug/kg	
86-73-7	Fluorene	ND	350	44	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70	18	ug/kg	
90-12-0	1-Methylnaphthalene	ND	350	44	ug/kg	
91-57-6	2-Methylnaphthalene	ND	350	44	ug/kg	
91-20-3	Naphthalene	ND	350	44	ug/kg	
85-01-8	Phenanthrene	ND	350	44	ug/kg	
129-00-0	Pyrene	ND	350	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	94%		45-135%

0422

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-08		
Lab Sample ID:	F15008-10	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012634.D	4	10/18/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	74	ug/kg	
208-96-8	Acenaphthylene	ND	300	74	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	59	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	59	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	59	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	59	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	59	15	ug/kg	
218-01-9	Chrysene	ND	59	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	59	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	91%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-04		
Lab Sample ID:	F15008-11	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	79.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012635.D	4	10/18/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	83	ug/kg	
208-96-8	Acenaphthylene	ND	330	83	ug/kg	
120-12-7	Anthracene	ND	330	42	ug/kg	
56-55-3	Benzo(a)anthracene	ND	67	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	67	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	67	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	67	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	67	17	ug/kg	
218-01-9	Chrysene	ND	67	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	67	17	ug/kg	
206-44-0	Fluoranthene	ND	330	42	ug/kg	
86-73-7	Fluorene	ND	330	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	67	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	42	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	42	ug/kg	
91-20-3	Naphthalene	ND	330	42	ug/kg	
85-01-8	Phenanthrene	ND	330	42	ug/kg	
129-00-0	Pyrene	ND	330	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	86%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-06		
Lab Sample ID:	F15008-12	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012636.D	4	10/18/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	82	ug/kg	
208-96-8	Acenaphthylene	ND	330	82	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	66	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	66	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	66	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	66	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	16	ug/kg	
218-01-9	Chrysene	ND	66	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	88%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-01		
Lab Sample ID:	F15008-13	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012637.D	4	10/18/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		41-123%
321-60-8	2-Fluorobiphenyl	88%		46-122%
1718-51-0	Terphenyl-d14	91%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-04		
Lab Sample ID:	F15008-14	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012638.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	82	ug/kg	
208-96-8	Acenaphthylene	ND	330	82	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	66	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	66	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	66	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	66	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	16	ug/kg	
218-01-9	Chrysene	ND	66	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	86%		46-122%
1718-51-0	Terphenyl-d14	90%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-08		
Lab Sample ID:	F15008-18	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012642.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	79	ug/kg	
208-96-8	Acenaphthylene	ND	320	79	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	98.3	320	40	ug/kg	J
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	99%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-01		
Lab Sample ID:	F15008-19	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012643.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	58	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	58	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	58	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	58	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	58	14	ug/kg	
218-01-9	Chrysene	ND	58	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	58	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	58	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		41-123%
321-60-8	2-Fluorobiphenyl	68%		46-122%
1718-51-0	Terphenyl-d14	86%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-04		
Lab Sample ID:	F15008-20	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012644.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	81	ug/kg	
208-96-8	Acenaphthylene	ND	320	81	ug/kg	
120-12-7	Anthracene	ND	320	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	320	41	ug/kg	
86-73-7	Fluorene	ND	320	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	41	ug/kg	
91-20-3	Naphthalene	ND	320	41	ug/kg	
85-01-8	Phenanthrene	ND	320	41	ug/kg	
129-00-0	Pyrene	ND	320	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	87%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-08		
Lab Sample ID:	F15008-21	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012645.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	79	ug/kg	
208-96-8	Acenaphthylene	ND	320	79	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		41-123%
321-60-8	2-Fluorobiphenyl	89%		46-122%
1718-51-0	Terphenyl-d14	103%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU06		
Lab Sample ID:	F15008-15	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24772.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	23.2	9.6	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU07		
Lab Sample ID:	F15008-16	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	88.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24788.D	10	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	709	93	63	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU08		
Lab Sample ID:	F15008-17	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	94.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24774.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	16.8	8.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-04		
Lab Sample ID:	F15008-1	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	93.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24704.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	11.6	8.8	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		57-127%

0579

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-131-06		
Lab Sample ID:	F15008-2	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	89.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24705.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	49.2	9.2	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-04		
Lab Sample ID:	F15008-3	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24706.D	1	10/16/02	SKW	10/15/02	OP6113	GOP869
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	21.1	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	106%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-132-08		
Lab Sample ID:	F15008-4	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24760.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	10	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

0588

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-04		
Lab Sample ID:	F15008-5	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24784.D	20	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1660	190	130	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-133-08		
Lab Sample ID:	F15008-6	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	86.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24785.D	100	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4010	930	630	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-04		
Lab Sample ID:	F15008-7	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24786.D	20	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1710	190	130	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

0597

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-134-08		
Lab Sample ID:	F15008-8	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24787.D	5	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	295	50	34	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-04		
Lab Sample ID:	F15008-9	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	75.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24765.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7.83	11	7.4	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-135-08		
Lab Sample ID:	F15008-10	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	88.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24766.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.3	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-04		
Lab Sample ID:	F15008-11	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	79.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24767.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	27.8	10	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-136-06		
Lab Sample ID:	F15008-12	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24769.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	15.3	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-01		
Lab Sample ID:	F15008-13	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	92.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24770.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	10.2	8.7	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-04		
Lab Sample ID:	F15008-14	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24771.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	46.6	9.9	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-137-08		
Lab Sample ID:	F15008-18	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24775.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	64.8	9.6	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-01		
Lab Sample ID:	F15008-19	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24776.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	12.1	9.2	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-04		
Lab Sample ID:	F15008-20	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24777.D	1	10/17/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	20.4	10	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-138-08		
Lab Sample ID:	F15008-21	**Date Sampled:**	10/10/02
Matrix:	SO - Soil	**Date Received:**	10/11/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24778.D	1	10/18/02	SKW	10/15/02	OP6120	GOP870
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	10	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**MR. M. SPERANZA**	**DATE:**	**FEBRUARY 5, 2003**
FROM:	**ANGELA SCHEETZ**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOA/PAH/PET**
CTO 078, NAS CECIL FIELD
SDG F15024

SAMPLES: 22/Soil

CEF-293-DU09	CEF-293-DU10
CEF-293-SU-139-01	CEF-293-SU-139-04
CEF-293-SU-139-08	CEF-293-SU-140-01
CEF-293-SU-140-04	CEF-293-SU-140-06
CEF-293-SU-141-01	CEF-293-SU-141-04
CEF-293-SU-141-06	CEF-293-SU-142-04
CEF-293-SU-142-06	CEF-293-SU-143-04
CEF-293-SU-143-06	CEF-293-SU-144-04
CEF-293-SU-144-06	CEF-293-SU-145-04
CEF-293-SU-145-06	CEF-293-SU-146-01
CEF-293-SU-146-04	CEF-293-SU-146-06

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG F15024 consists of twenty-two (22) soil environmental samples. All samples were analyzed for volatile organic compounds, polynuclear aromatic hydrocarbons (PAHs), and total petroleum hydrocarbons (TPH). Two sample duplicate pairs were included in this SDG, CEF-293-DU09 / CEF-293-SU-141-04 and CEF-293-DU10 / CEF-293-SU-146-04.

The samples were collected by TetraTech NUS on October 11, 2002 and analyzed by Accutest. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. VOCs were conducted by SW 846 8260B, PAHs were conducted using SW-846 Methods 8310. TPH analyses were conducted using the Florida PRO method.

- * Data completeness
- * Holding times
- Initial and continuing calibration
- * Laboratory method and field quality control blank results
- * Detection Limits
- * Field Duplicate Results

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatile Organic Compounds

Several continuing calibration noncompliances (%Ds) were noted, however, these noncompliances did not warrant qualification, as only limited data review is being performed.

Samples CEF-293-SU-140-04 and CEF-293-SU-140-06 were prepared as medium level soil samples. Elevated detection limits were reported.

Polynuclear aromatic hydrocarbons

Several initial and continuing calibration noncompliances (%RSDs and %Ds) were noted, however, these noncompliances did not warrant qualification, as only limited data review is being performed.

A reporting discrepancy was noticed for sample CEF-293-SU-141-01. Results for this sample were not consistent with other samples. The laboratory has revised the sample Form I.

TPH

Field duplicate imprecision (RPD>50) was noted for TPH in the duplicate pair CEF-293-DU10/CEF-293-SU-146-04. Positive results reported for TPH in this duplicate pair were qualified as estimated, "J".

Notes

Positive results below the reporting limit were qualified as estimated, J, due to uncertainty near the detection limit.

Elevated reporting limits were noted in the PAH fraction due to a dilution of 4X used for each sample. No qualifications were made on this basis.

The laboratory reported to the MDL in the electronic deliverable. It should be noted that all other SDGs reported by Accutest presented data in terms of a reporting limit (RL>MDL) rather than an MDL.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for TPH.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), the NFESC guidelines (September, 1999), and the National Functional Guidelines for Inorganic Review (February, 1994). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Angela M. Scheetz

Environmental Scientist/Data Validator
Tetra Tech, NUS

Joseph A. Samchuck

Data Validation Quality Assurance Officer
Tetra Tech, NUS

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU09
samp_date	10/11/2002
lab_id	F15024-14
qc_type	NM
units	UG/KG
Pct_Solids	85.7
DUP_OF:	CEF-293-SU-141-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.3	U	
1,1,2,2-TETRACHLOROETHANE	2.3	U	
1,1,2-TRICHLOROETHANE	2.3	U	
1,1-DICHLOROETHANE	2.3	U	
1,1-DICHLOROETHENE	2.3	U	
1,2-DICHLOROETHANE	2.3	U	
1,2-DICHLOROPROPANE	2.3	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	12	U	
BENZENE	2.3	U	
BROMODICHLOROMETHANE	2.3	U	
BROMOFORM	2.3	U	
BROMOMETHANE	2.3	U	
CARBON DISULFIDE	2.3	U	
CARBON TETRACHLORIDE	2.3	U	
CHLOROBENZENE	2.3	U	
CHLORODIBROMOMETHANE	2.3	U	
CHLOROETHANE	3.5	U	
CHLOROFORM	2.3	U	
CHLOROMETHANE	2.3	U	
CIS-1,2-DICHLOROETHENE	2.3	U	
CIS-1,3-DICHLOROPROPENE	2.3	U	
ETHYLBENZENE	2.3	U	
METHYL TERT-BUTYL ETHER	2.3	U	
METHYLENE CHLORIDE	5.8	U	
STYRENE	2.3	U	
TETRACHLOROETHENE	2.3	U	
TOLUENE	2.3	U	

nsample	CEF-293-DU09
samp_date	10/11/2002
lab_id	F15024-14
qc_type	NM
units	UG/KG
Pct_Solids	85.7
DUP_OF:	CEF-293-SU-141-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	4.6	U	
TRANS-1,2-DICHLOROETHENE	2.3	U	
TRANS-1,3-DICHLOROPROPENE	2.3	U	
TRICHLOROETHENE	2.3	U	
VINYL CHLORIDE	2.3	U	

nsample	CEF-293-DU10
samp_date	10/11/2002
lab_id	F15024-15
qc_type	NM
units	UG/KG
Pct_Solids	73
DUP_OF:	CEF-293-SU-146-04

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	3	U	
1,1,2,2-TETRACHLOROETHANE	3	U	
1,1,2-TRICHLOROETHANE	3	U	
1,1-DICHLOROETHANE	3	U	
1,1-DICHLOROETHENE	3	U	
1,2-DICHLOROETHANE	3	U	
1,2-DICHLOROPROPANE	3	U	
2-BUTANONE	15	U	
2-HEXANONE	15	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	56.8	J	P
BENZENE	3	U	
BROMODICHLOROMETHANE	3	U	
BROMOFORM	3	U	
BROMOMETHANE	3	U	
CARBON DISULFIDE	3	U	
CARBON TETRACHLORIDE	3	U	
CHLOROBENZENE	3	U	
CHLORODIBROMOMETHANE	3	U	
CHLOROETHANE	4.5	U	
CHLOROFORM	3	U	
CHLOROMETHANE	3	U	
CIS-1,2-DICHLOROETHENE	3	U	
CIS-1,3-DICHLOROPROPENE	3	U	
ETHYLBENZENE	3	U	
METHYL TERT-BUTYL ETHER	3	U	
METHYLENE CHLORIDE	7.5	U	
STYRENE	3	U	
TETRACHLOROETHENE	3	U	
TOLUENE	3	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU10
samp_date	10/11/2002
lab_id	F15024-15
qc_type	NM
units	UG/KG
Pct_Solids	73
DUP_OF:	CEF-293-SU-146-04

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	6	U	
TRANS-1,2-DICHLOROETHENE	3	U	
TRANS-1,3-DICHLOROPROPENE	3	U	
TRICHLOROETHENE	3	U	
VINYL CHLORIDE	3	U	

nsample	CEF-293-SU-139-01
samp_date	10/11/2002
lab_id	F15024-1
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.5	U	
1,1,2,2-TETRACHLOROETHANE	2.5	U	
1,1,2-TRICHLOROETHANE	2.5	U	
1,1-DICHLOROETHANE	2.5	U	
1,1-DICHLOROETHENE	2.5	U	
1,2-DICHLOROETHANE	2.5	U	
1,2-DICHLOROPROPANE	2.5	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	12	U	
BENZENE	2.5	U	
BROMODICHLOROMETHANE	2.5	U	
BROMOFORM	2.5	U	
BROMOMETHANE	2.5	U	
CARBON DISULFIDE	2.5	U	
CARBON TETRACHLORIDE	2.5	U	
CHLOROBENZENE	2.5	U	
CHLORODIBROMOMETHANE	2.5	U	
CHLOROETHANE	3.7	U	
CHLOROFORM	2.5	U	
CHLOROMETHANE	2.5	U	
CIS-1,2-DICHLOROETHENE	2.5	U	
CIS-1,3-DICHLOROPROPENE	2.5	U	
ETHYLBENZENE	2.5	U	
METHYL TERT-BUTYL ETHER	2.5	U	
METHYLENE CHLORIDE	6.2	U	
STYRENE	2.5	U	
TETRACHLOROETHENE	2.5	U	
TOLUENE	2.5	U	

nsample	CEF-293-SU-139-01
samp_date	10/11/2002
lab_id	F15024-1
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	2.5	U	
TRANS-1,3-DICHLOROPROPENE	2.5	U	
TRICHLOROETHENE	2.5	U	
VINYL CHLORIDE	2.5	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-139-04
samp_date	10/11/2002
lab_id	F15024-2
qc_type	NM
units	UG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.5	U	
1,1,2,2-TETRACHLOROETHANE	2.5	U	
1,1,2-TRICHLOROETHANE	2.5	U	
1,1-DICHLOROETHANE	2.5	U	
1,1-DICHLOROETHENE	2.5	U	
1,2-DICHLOROETHANE	2.5	U	
1,2-DICHLOROPROPANE	2.5	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	12	U	
BENZENE	2.5	U	
BROMODICHLOROMETHANE	2.5	U	
BROMOFORM	2.5	U	
BROMOMETHANE	2.5	U	
CARBON DISULFIDE	2.5	U	
CARBON TETRACHLORIDE	2.5	U	
CHLOROBENZENE	2.5	U	
CHLORODIBROMOMETHANE	2.5	U	
CHLOROETHANE	3.7	U	
CHLOROFORM	2.5	U	
CHLOROMETHANE	2.5	U	
CIS-1,2-DICHLOROETHENE	2.5	U	
CIS-1,3-DICHLOROPROPENE	2.5	U	
ETHYLBENZENE	2.5	U	
METHYL TERT-BUTYL ETHER	2.5	U	
METHYLENE CHLORIDE	6.2	U	
STYRENE	2.5	U	
TETRACHLOROETHENE	2.5	U	
TOLUENE	2.5	U	

nsample	CEF-293-SU-139-04
samp_date	10/11/2002
lab_id	F15024-2
qc_type	NM
units	UG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5	U	
TRANS-1,2-DICHLOROETHENE	2.5	U	
TRANS-1,3-DICHLOROPROPENE	2.5	U	
TRICHLOROETHENE	2.5	U	
VINYL CHLORIDE	2.5	U	

nsample	CEF-293-SU-139-08
samp_date	10/11/2002
lab_id	F15024-3
qc_type	NM
units	UG/KG
Pct_Solids	76
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.9	U	
1,1,2,2-TETRACHLOROETHANE	2.9	U	
1,1,2-TRICHLOROETHANE	2.9	U	
1,1-DICHLOROETHANE	2.9	U	
1,1-DICHLOROETHENE	2.9	U	
1,2-DICHLOROETHANE	2.9	U	
1,2-DICHLOROPROPANE	2.9	U	
2-BUTANONE	15	U	
2-HEXANONE	15	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	40.2	J	P
BENZENE	2.9	U	
BROMODICHLOROMETHANE	2.9	U	
BROMOFORM	2.9	U	
BROMOMETHANE	2.9	U	
CARBON DISULFIDE	2.9	U	
CARBON TETRACHLORIDE	2.9	U	
CHLOROBENZENE	2.9	U	
CHLORODIBROMOMETHANE	2.9	U	
CHLOROETHANE	4.4	U	
CHLOROFORM	2.9	U	
CHLOROMETHANE	2.9	U	
CIS-1,2-DICHLOROETHENE	2.9	U	
CIS-1,3-DICHLOROPROPENE	2.9	U	
ETHYLBENZENE	2.9	U	
METHYL TERT-BUTYL ETHER	2.9	U	
METHYLENE CHLORIDE	7.3	U	
STYRENE	2.9	U	
TETRACHLOROETHENE	2.9	U	
TOLUENE	2.9	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-139-08
samp_date	10/11/2002
lab_id	F15024-3
qc_type	NM
units	UG/KG
Pct_Solids	76
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.9	U	
TRANS-1,2-DICHLOROETHENE	2.9	U	
TRANS-1,3-DICHLOROPROPENE	2.9	U	
TRICHLOROETHENE	2.9	U	
VINYL CHLORIDE	2.9	U	

nsample	CEF-293-SU-140-01
samp_date	10/11/2002
lab_id	F15024-7
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	62.1	J	P
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.5	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-140-01
samp_date	10/11/2002
lab_id	F15024-7
qc_type	NM
units	UG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-140-04
samp_date	10/11/2002
lab_id	F15024-8
qc_type	NM
units	UG/KG
Pct_Solids	74.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	140	U	
1,1,2,2-TETRACHLOROETHANE	140	U	
1,1,2-TRICHLOROETHANE	140	U	
1,1-DICHLOROETHANE	140	U	
1,1-DICHLOROETHENE	140	U	
1,2-DICHLOROETHANE	140	U	
1,2-DICHLOROPROPANE	140	U	
2-BUTANONE	710	U	
2-HEXANONE	710	U	
4-METHYL-2-PENTANONE	710	U	
ACETONE	1130	J	P
BENZENE	140	U	
BROMODICHLOROMETHANE	140	U	
BROMOFORM	140	U	
BROMOMETHANE	140	U	
CARBON DISULFIDE	140	U	
CARBON TETRACHLORIDE	140	U	
CHLOROBENZENE	140	U	
CHLORODIBROMOMETHANE	140	U	
CHLOROETHANE	210	U	
CHLOROFORM	140	U	
CHLOROMETHANE	140	U	
CIS-1,2-DICHLOROETHENE	140	U	
CIS-1,3-DICHLOROPROPENE	140	U	
ETHYLBENZENE	140	U	
METHYL TERT-BUTYL ETHER	140	U	
METHYLENE CHLORIDE	350	U	
STYRENE	140	U	
TETRACHLOROETHENE	140	U	
TOLUENE	140	U	

nsample	CEF-293-SU-140-04
samp_date	10/11/2002
lab_id	F15024-8
qc_type	NM
units	UG/KG
Pct_Solids	74.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	280	U	
TRANS-1,2-DICHLOROETHENE	140	U	
TRANS-1,3-DICHLOROPROPENE	140	U	
TRICHLOROETHENE	140	U	
VINYL CHLORIDE	140	U	

nsample	CEF-293-SU-140-06
samp_date	10/11/2002
lab_id	F15024-9
qc_type	NM
units	UG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	130	U	
1,1,2,2-TETRACHLOROETHANE	130	U	
1,1,2-TRICHLOROETHANE	130	U	
1,1-DICHLOROETHANE	130	U	
1,1-DICHLOROETHENE	130	U	
1,2-DICHLOROETHANE	130	U	
1,2-DICHLOROPROPANE	130	U	
2-BUTANONE	660	U	
2-HEXANONE	660	U	
4-METHYL-2-PENTANONE	660	U	
ACETONE	660	U	
BENZENE	130	U	
BROMODICHLOROMETHANE	130	U	
BROMOFORM	130	U	
BROMOMETHANE	130	U	
CARBON DISULFIDE	130	U	
CARBON TETRACHLORIDE	130	U	
CHLOROBENZENE	130	U	
CHLORODIBROMOMETHANE	130	U	
CHLOROETHANE	200	U	
CHLOROFORM	130	U	
CHLOROMETHANE	130	U	
CIS-1,2-DICHLOROETHENE	130	U	
CIS-1,3-DICHLOROPROPENE	130	U	
ETHYLBENZENE	130	U	
METHYL TERT-BUTYL ETHER	130	U	
METHYLENE CHLORIDE	330	U	
STYRENE	130	U	
TETRACHLOROETHENE	130	U	
TOLUENE	130	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-140-06
samp_date	10/11/2002
lab_id	F15024-9
qc_type	NM
units	UG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	595	J	P
TRANS-1,2-DICHLOROETHENE	130	U	
TRANS-1,3-DICHLOROPROPENE	130	U	
TRICHLOROETHENE	130	U	
VINYL CHLORIDE	130	U	

nsample	CEF-293-SU-141-01
samp_date	10/11/2002
lab_id	F15024-4
qc_type	NM
units	UG/KG
Pct_Solids	88.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.5	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-141-01
samp_date	10/11/2002
lab_id	F15024-4
qc_type	NM
units	UG/KG
Pct_Solids	88.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-141-04
samp_date	10/11/2002
lab_id	F15024-5
qc_type	NM
units	UG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	4	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.6	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-141-04
samp_date	10/11/2002
lab_id	F15024-5
qc_type	NM
units	UG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.3	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

nsample	CEF-293-SU-141-06
samp_date	10/11/2002
lab_id	F15024-6
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.5	U	
1,1,2,2-TETRACHLOROETHANE	2.5	U	
1,1,2-TRICHLOROETHANE	2.5	U	
1,1-DICHLOROETHANE	2.5	U	
1,1-DICHLOROETHENE	2.5	U	
1,2-DICHLOROETHANE	2.5	U	
1,2-DICHLOROPROPANE	2.5	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	53.9	J	P
BENZENE	2.5	U	
BROMODICHLOROMETHANE	2.5	U	
BROMOFORM	2.5	U	
BROMOMETHANE	2.5	U	
CARBON DISULFIDE	2.5	U	
CARBON TETRACHLORIDE	2.5	U	
CHLOROBENZENE	2.5	U	
CHLORODIBROMOMETHANE	2.5	U	
CHLOROETHANE	3.8	U	
CHLOROFORM	2.5	U	
CHLOROMETHANE	2.5	U	
CIS-1,2-DICHLOROETHENE	2.5	U	
CIS-1,3-DICHLOROPROPENE	2.5	U	
ETHYLBENZENE	2.5	U	
METHYL TERT-BUTYL ETHER	2.5	U	
METHYLENE CHLORIDE	6.4	U	
STYRENE	2.5	U	
TETRACHLOROETHENE	2.5	U	
TOLUENE	2.5	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-141-06
samp_date	10/11/2002
lab_id	F15024-6
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.1	U	
TRANS-1,2-DICHLOROETHENE	2.5	U	
TRANS-1,3-DICHLOROPROPENE	2.5	U	
TRICHLOROETHENE	2.5	U	
VINYL CHLORIDE	2.5	U	

nsample	CEF-293-SU-142-04
samp_date	10/11/2002
lab_id	F15024-10
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	60.5	J	P
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.4	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-142-04
samp_date	10/11/2002
lab_id	F15024-10
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-142-06
samp_date	10/11/2002
lab_id	F15024-11
qc_type	NM
units	UG/KG
Pct_Solids	87.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.7	U	
1,1,2,2-TETRACHLOROETHANE	2.7	U	
1,1,2-TRICHLOROETHANE	2.7	U	
1,1-DICHLOROETHANE	2.7	U	
1,1-DICHLOROETHENE	2.7	U	
1,2-DICHLOROETHANE	2.7	U	
1,2-DICHLOROPROPANE	2.7	U	
2-BUTANONE	14	U	
2-HEXANONE	14	U	
4-METHYL-2-PENTANONE	14	U	
ACETONE	340	J	P
BENZENE	2.7	U	
BROMODICHLOROMETHANE	2.7	U	
BROMOFORM	2.7	U	
BROMOMETHANE	2.7	U	
CARBON DISULFIDE	2.7	U	
CARBON TETRACHLORIDE	2.7	U	
CHLOROBENZENE	2.7	U	
CHLORODIBROMOMETHANE	2.7	U	
CHLOROETHANE	4.1	U	
CHLOROFORM	2.7	U	
CHLOROMETHANE	2.7	U	
CIS-1,2-DICHLOROETHENE	2.7	U	
CIS-1,3-DICHLOROPROPENE	2.7	U	
ETHYLBENZENE	2.7	U	
METHYL TERT-BUTYL ETHER	2.7	U	
METHYLENE CHLORIDE	6.8	U	
STYRENE	2.7	U	
TETRACHLOROETHENE	2.7	U	
TOLUENE	2.7	U	

nsample	CEF-293-SU-142-06
samp_date	10/11/2002
lab_id	F15024-11
qc_type	NM
units	UG/KG
Pct_Solids	87.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	11.1	J	P
TRANS-1,2-DICHLOROETHENE	2.7	U	
TRANS-1,3-DICHLOROPROPENE	2.7	U	
TRICHLOROETHENE	2.7	U	
VINYL CHLORIDE	2.7	U	

nsample	CEF-293-SU-143-04
samp_date	10/11/2002
lab_id	F15024-12
qc_type	NM
units	UG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.4	U	
1,1,2,2-TETRACHLOROETHANE	2.4	U	
1,1,2-TRICHLOROETHANE	2.4	U	
1,1-DICHLOROETHANE	2.4	U	
1,1-DICHLOROETHENE	2.4	U	
1,2-DICHLOROETHANE	2.4	U	
1,2-DICHLOROPROPANE	2.4	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	84.7	J	P
BENZENE	2.4	U	
BROMODICHLOROMETHANE	2.4	U	
BROMOFORM	2.4	U	
BROMOMETHANE	2.4	U	
CARBON DISULFIDE	2.4	U	
CARBON TETRACHLORIDE	2.4	U	
CHLOROBENZENE	2.4	U	
CHLORODIBROMOMETHANE	2.4	U	
CHLOROETHANE	3.6	U	
CHLOROFORM	2.4	U	
CHLOROMETHANE	2.4	U	
CIS-1,2-DICHLOROETHENE	2.4	U	
CIS-1,3-DICHLOROPROPENE	2.4	U	
ETHYLBENZENE	2.4	U	
METHYL TERT-BUTYL ETHER	2.4	U	
METHYLENE CHLORIDE	5.9	U	
STYRENE	2.4	U	
TETRACHLOROETHENE	2.4	U	
TOLUENE	2.4	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-143-04
samp_date	10/11/2002
lab_id	F15024-12
qc_type	NM
units	UG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	4.7	U	
TRANS-1,2-DICHLOROETHENE	2.4	U	
TRANS-1,3-DICHLOROPROPENE	2.4	U	
TRICHLOROETHENE	2.4	U	
VINYL CHLORIDE	2.4	U	

nsample	CEF-293-SU-143-06
samp_date	10/11/2002
lab_id	F15024-13
qc_type	NM
units	UG/KG
Pct_Solids	84.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.7	U	
1,1,2,2-TETRACHLOROETHANE	2.7	U	
1,1,2-TRICHLOROETHANE	2.7	U	
1,1-DICHLOROETHANE	2.7	U	
1,1-DICHLOROETHENE	2.7	U	
1,2-DICHLOROETHANE	2.7	U	
1,2-DICHLOROPROPANE	2.7	U	
2-BUTANONE	14	U	
2-HEXANONE	14	U	
4-METHYL-2-PENTANONE	14	U	
ACETONE	67.5	J	P
BENZENE	2.7	U	
BROMODICHLOROMETHANE	2.7	U	
BROMOFORM	2.7	U	
BROMOMETHANE	2.7	U	
CARBON DISULFIDE	2.7	U	
CARBON TETRACHLORIDE	2.7	U	
CHLOROBENZENE	2.7	U	
CHLORODIBROMOMETHANE	2.7	U	
CHLOROETHANE	4.1	U	
CHLOROFORM	2.7	U	
CHLOROMETHANE	2.7	U	
CIS-1,2-DICHLOROETHENE	2.7	U	
CIS-1,3-DICHLOROPROPENE	2.7	U	
ETHYLBENZENE	2.7	U	
METHYL TERT-BUTYL ETHER	2.7	U	
METHYLENE CHLORIDE	6.8	U	
STYRENE	2.7	U	
TETRACHLOROETHENE	2.7	U	
TOLUENE	2.7	U	

nsample	CEF-293-SU-143-06
samp_date	10/11/2002
lab_id	F15024-13
qc_type	NM
units	UG/KG
Pct_Solids	84.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.4	U	
TRANS-1,2-DICHLOROETHENE	2.7	U	
TRANS-1,3-DICHLOROPROPENE	2.7	U	
TRICHLOROETHENE	2.7	U	
VINYL CHLORIDE	2.7	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-144-04
samp_date	10/11/2002
lab_id	F15024-16
qc_type	NM
units	UG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	14.1	J	P
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	4	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.6	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-144-04
samp_date	10/11/2002
lab_id	F15024-16
qc_type	NM
units	UG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.3	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

nsample	CEF-293-SU-144-06
samp_date	10/11/2002
lab_id	F15024-17
qc_type	NM
units	UG/KG
Pct_Solids	87.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.6	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-144-06
samp_date	10/11/2002
lab_id	F15024-17
qc_type	NM
units	UG/KG
Pct_Solids	87.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

nsample	CEF-293-SU-145-04
samp_date	10/11/2002
lab_id	F15024-18
qc_type	NM
units	UG/KG
Pct_Solids	93.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.4	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-145-04
samp_date	10/11/2002
lab_id	F15024-18
qc_type	NM
units	UG/KG
Pct_Solids	93.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-145-06
samp_date	10/11/2002
lab_id	F15024-19
qc_type	NM
units	UG/KG
Pct_Solids	76.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.7	U	
1,1,2,2-TETRACHLOROETHANE	2.7	U	
1,1,2-TRICHLOROETHANE	2.7	U	
1,1-DICHLOROETHANE	2.7	U	
1,1-DICHLOROETHENE	2.7	U	
1,2-DICHLOROETHANE	2.7	U	
1,2-DICHLOROPROPANE	2.7	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.7	U	
BROMODICHLOROMETHANE	2.7	U	
BROMOFORM	2.7	U	
BROMOMETHANE	2.7	U	
CARBON DISULFIDE	2.7	U	
CARBON TETRACHLORIDE	2.7	U	
CHLOROBENZENE	2.7	U	
CHLORODIBROMOMETHANE	2.7	U	
CHLOROETHANE	4	U	
CHLOROFORM	2.7	U	
CHLOROMETHANE	2.7	U	
CIS-1,2-DICHLOROETHENE	2.7	U	
CIS-1,3-DICHLOROPROPENE	2.7	U	
ETHYLBENZENE	2.7	U	
METHYL TERT-BUTYL ETHER	2.7	U	
METHYLENE CHLORIDE	6.7	U	
STYRENE	2.7	U	
TETRACHLOROETHENE	2.7	U	
TOLUENE	2.7	U	

nsample	CEF-293-SU-145-06
samp_date	10/11/2002
lab_id	F15024-19
qc_type	NM
units	UG/KG
Pct_Solids	76.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.4	U	
TRANS-1,2-DICHLOROETHENE	2.7	U	
TRANS-1,3-DICHLOROPROPENE	2.7	U	
TRICHLOROETHENE	2.7	U	
VINYL CHLORIDE	2.7	U	

nsample	CEF-293-SU-146-01
samp_date	10/11/2002
lab_id	F15024-20
qc_type	NM
units	UG/KG
Pct_Solids	90.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.8	U	
1,1,2,2-TETRACHLOROETHANE	2.8	U	
1,1,2-TRICHLOROETHANE	2.8	U	
1,1-DICHLOROETHANE	2.8	U	
1,1-DICHLOROETHENE	2.8	U	
1,2-DICHLOROETHANE	2.8	U	
1,2-DICHLOROPROPANE	2.8	U	
2-BUTANONE	14	U	
2-HEXANONE	14	U	
4-METHYL-2-PENTANONE	14	U	
ACETONE	225	J	P
BENZENE	2.8	U	
BROMODICHLOROMETHANE	2.8	U	
BROMOFORM	2.8	U	
BROMOMETHANE	2.8	U	
CARBON DISULFIDE	2.8	U	
CARBON TETRACHLORIDE	2.8	U	
CHLOROBENZENE	2.8	U	
CHLORODIBROMOMETHANE	2.8	U	
CHLOROETHANE	4.2	U	
CHLOROFORM	2.8	U	
CHLOROMETHANE	2.8	U	
CIS-1,2-DICHLOROETHENE	2.8	U	
CIS-1,3-DICHLOROPROPENE	2.8	U	
ETHYLBENZENE	2.8	U	
METHYL TERT-BUTYL ETHER	2.8	U	
METHYLENE CHLORIDE	7	U	
STYRENE	2.8	U	
TETRACHLOROETHENE	2.8	U	
TOLUENE	2.8	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-146-01
samp_date	10/11/2002
lab_id	F15024-20
qc_type	NM
units	UG/KG
Pct_Solids	90.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.6	U	
TRANS-1,2-DICHLOROETHENE	2.8	U	
TRANS-1,3-DICHLOROPROPENE	2.8	U	
TRICHLOROETHENE	2.8	U	
VINYL CHLORIDE	2.8	U	

nsample	CEF-293-SU-146-04
samp_date	10/11/2002
lab_id	F15024-21
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.6	U	
1,1,2,2-TETRACHLOROETHANE	2.6	U	
1,1,2-TRICHLOROETHANE	2.6	U	
1,1-DICHLOROETHANE	2.6	U	
1,1-DICHLOROETHENE	2.6	U	
1,2-DICHLOROETHANE	2.6	U	
1,2-DICHLOROPROPANE	2.6	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	13	U	
BENZENE	2.6	U	
BROMODICHLOROMETHANE	2.6	U	
BROMOFORM	2.6	U	
BROMOMETHANE	2.6	U	
CARBON DISULFIDE	2.6	U	
CARBON TETRACHLORIDE	2.6	U	
CHLOROBENZENE	2.6	U	
CHLORODIBROMOMETHANE	2.6	U	
CHLOROETHANE	3.9	U	
CHLOROFORM	2.6	U	
CHLOROMETHANE	2.6	U	
CIS-1,2-DICHLOROETHENE	2.6	U	
CIS-1,3-DICHLOROPROPENE	2.6	U	
ETHYLBENZENE	2.6	U	
METHYL TERT-BUTYL ETHER	2.6	U	
METHYLENE CHLORIDE	6.5	U	
STYRENE	2.6	U	
TETRACHLOROETHENE	2.6	U	
TOLUENE	2.6	U	

nsample	CEF-293-SU-146-04
samp_date	10/11/2002
lab_id	F15024-21
qc_type	NM
units	UG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	5.2	U	
TRANS-1,2-DICHLOROETHENE	2.6	U	
TRANS-1,3-DICHLOROPROPENE	2.6	U	
TRICHLOROETHENE	2.6	U	
VINYL CHLORIDE	2.6	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-146-06	nsample	CEF-293-SU-146-06
samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-22	lab_id	F15024-22
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	83.5	Pct_Solids	83.5
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	2.4	U	
1,1,2,2-TETRACHLOROETHANE	2.4	U	
1,1,2-TRICHLOROETHANE	2.4	U	
1,1-DICHLOROETHANE	2.4	U	
1,1-DICHLOROETHENE	2.4	U	
1,2-DICHLOROETHANE	2.4	U	
1,2-DICHLOROPROPANE	2.4	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	12	U	
BENZENE	2.4	U	
BROMODICHLOROMETHANE	2.4	U	
BROMOFORM	2.4	U	
BROMOMETHANE	2.4	U	
CARBON DISULFIDE	2.4	U	
CARBON TETRACHLORIDE	2.4	U	
CHLOROBENZENE	2.4	U	
CHLORODIBROMOMETHANE	2.4	U	
CHLOROETHANE	3.6	U	
CHLOROFORM	2.4	U	
CHLOROMETHANE	2.4	U	
CIS-1,2-DICHLOROETHENE	2.4	U	
CIS-1,3-DICHLOROPROPENE	2.4	U	
ETHYLBENZENE	2.4	U	
METHYL TERT-BUTYL ETHER	2.4	U	
METHYLENE CHLORIDE	6.1	U	
STYRENE	2.4	U	
TETRACHLOROETHENE	2.4	U	
TOLUENE	2.4	U	

Parameter	Result	Val Qual	Qual Code
TOTAL XYLENES	4.8	U	
TRANS-1,2-DICHLOROETHENE	2.4	U	
TRANS-1,3-DICHLOROPROPENE	2.4	U	
TRICHLOROETHENE	2.4	U	
VINYL CHLORIDE	2.4	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-DU09	nsample	CEF-293-DU10	nsample	CEF-293-SU-139-01
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-14	lab_id	F15024-15	lab_id	F15024-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	85.7	Pct_Solids	73	Pct_Solids	92.4
DUP_OF:	CEF-293-SU-141-04	DUP_OF:	CEF-293-SU-146-04	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	38	U	
2-METHYLNAPHTHALENE	38	U	
ACENAPHTHENE	77	U	
ACENAPHTHYLENE	77	U	
ANTHRACENE	38	U	
BENZO(A)ANTHRACENE	15	U	
BENZO(A)PYRENE	15	U	
BENZO(B)FLUORANTHENE	15	U	
BENZO(G,H,I)PERYLENE	15	U	
BENZO(K)FLUORANTHENE	15	U	
CHRYSENE	15	U	
DIBENZO(A,H)ANTHRACENE	15	U	
FLUORANTHENE	38	U	
FLUORENE	38	U	
INDENO(1,2,3-CD)PYRENE	15	U	
NAPHTHALENE	38	U	
PHENANTHRENE	38	U	
PYRENE	38	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	46	U	
2-METHYLNAPHTHALENE	46	U	
ACENAPHTHENE	91	U	
ACENAPHTHYLENE	91	U	
ANTHRACENE	46	U	
BENZO(A)ANTHRACENE	18	U	
BENZO(A)PYRENE	18	U	
BENZO(B)FLUORANTHENE	18	U	
BENZO(G,H,I)PERYLENE	18	U	
BENZO(K)FLUORANTHENE	18	U	
CHRYSENE	18	U	
DIBENZO(A,H)ANTHRACENE	18	U	
FLUORANTHENE	46	U	
FLUORENE	46	U	
INDENO(1,2,3-CD)PYRENE	18	U	
NAPHTHALENE	46	U	
PHENANTHRENE	46	U	
PYRENE	46	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	36	U	
2-METHYLNAPHTHALENE	36	U	
ACENAPHTHENE	71	U	
ACENAPHTHYLENE	71	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	14.9	J	P
BENZO(A)PYRENE	35.1	J	P
BENZO(B)FLUORANTHENE	25.4	J	P
BENZO(G,H,I)PERYLENE	25.2	J	P
BENZO(K)FLUORANTHENE	22.7	J	P
CHRYSENE	17	J	P
DIBENZO(A,H)ANTHRACENE	14	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
INDENO(1,2,3-CD)PYRENE	31.9	J	P
NAPHTHALENE	36	U	
PHENANTHRENE	36	U	
PYRENE	36	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-139-04	nsample	CEF-293-SU-139-08	nsample	CEF-293-SU-140-01
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-2	lab_id	F15024-3	lab_id	F15024-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.1	Pct_Solids	76	Pct_Solids	91.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	40	U	
2-METHYLNAPHTHALENE	40	U	
ACENAPHTHENE	81	U	
ACENAPHTHYLENE	81	U	
ANTHRACENE	40	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	40	U	
FLUORENE	40	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	40	U	
PHENANTHRENE	40	U	
PYRENE	40	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	44	U	
2-METHYLNAPHTHALENE	44	U	
ACENAPHTHENE	87	U	
ACENAPHTHYLENE	87	U	
ANTHRACENE	44	U	
BENZO(A)ANTHRACENE	17	U	
BENZO(A)PYRENE	17	U	
BENZO(B)FLUORANTHENE	17	U	
BENZO(G,H,I)PERYLENE	17	U	
BENZO(K)FLUORANTHENE	17	U	
CHRYSENE	17	U	
DIBENZO(A,H)ANTHRACENE	17	U	
FLUORANTHENE	44	U	
FLUORENE	44	U	
INDENO(1,2,3-CD)PYRENE	17	U	
NAPHTHALENE	44	U	
PHENANTHRENE	44	U	
PYRENE	44	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	35	U	
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	71	U	
ACENAPHTHYLENE	71	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	14	U	
BENZO(A)PYRENE	14	U	
BENZO(B)FLUORANTHENE	14	U	
BENZO(G,H,I)PERYLENE	14	U	
BENZO(K)FLUORANTHENE	14	U	
CHRYSENE	14	U	
DIBENZO(A,H)ANTHRACENE	14	U	
FLUORANTHENE	35	U	
FLUORENE	35	U	
INDENO(1,2,3-CD)PYRENE	14	U	
NAPHTHALENE	35	U	
PHENANTHRENE	35	U	
PYRENE	35	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-140-04	nsample	CEF-293-SU-140-06	nsample	CEF-293-SU-141-01
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-8	lab_id	F15024-9	lab_id	F15024-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	74.1	Pct_Solids	86.4	Pct_Solids	88.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	119	J	P
2-METHYLNAPHTHALENE	198	J	P
ACENAPHTHENE	89	U	
ACENAPHTHYLENE	89	U	
ANTHRACENE	45	U	
BENZO(A)ANTHRACENE	18	U	
BENZO(A)PYRENE	18	U	
BENZO(B)FLUORANTHENE	18	U	
BENZO(G,H,I)PERYLENE	18	U	
BENZO(K)FLUORANTHENE	18	U	
CHRYSENE	18	U	
DIBENZO(A,H)ANTHRACENE	18	U	
FLUORANTHENE	45	U	
FLUORENE	45	U	
INDENO(1,2,3-CD)PYRENE	18	U	
NAPHTHALENE	94	J	P
PHENANTHRENE	45	U	
PYRENE	45	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	269	J	P
2-METHYLNAPHTHALENE	362	J	P
ACENAPHTHENE	76	U	
ACENAPHTHYLENE	76	U	
ANTHRACENE	38	U	
BENZO(A)ANTHRACENE	15	U	
BENZO(A)PYRENE	15	U	
BENZO(B)FLUORANTHENE	15	U	
BENZO(G,H,I)PERYLENE	15	U	
BENZO(K)FLUORANTHENE	15	U	
CHRYSENE	15	U	
DIBENZO(A,H)ANTHRACENE	15	U	
FLUORANTHENE	38	U	
FLUORENE	38	U	
INDENO(1,2,3-CD)PYRENE	15	U	
NAPHTHALENE	125	J	P
PHENANTHRENE	38	U	
PYRENE	38	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	38	U	
2-METHYLNAPHTHALENE	38	U	
ACENAPHTHENE	75	U	
ACENAPHTHYLENE	75	U	
ANTHRACENE	38	U	
BENZO(A)ANTHRACENE	15	U	
BENZO(A)PYRENE	15	U	
BENZO(B)FLUORANTHENE	15	U	
BENZO(G,H,I)PERYLENE	15	U	
BENZO(K)FLUORANTHENE	15	U	
CHRYSENE	15	U	
DIBENZO(A,H)ANTHRACENE	15	U	
FLUORANTHENE	38	U	
FLUORENE	38	U	
INDENO(1,2,3-CD)PYRENE	15	U	
NAPHTHALENE	38	U	
PHENANTHRENE	38	U	
PYRENE	38	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-141-04
samp_date	10/11/2002
lab_id	F15024-5
qc_type	NM
units	UG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	41	U	
2-METHYLNAPHTHALENE	41	U	
ACENAPHTHENE	82	U	
ACENAPHTHYLENE	82	U	
ANTHRACENE	41	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	41	U	
FLUORENE	41	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	41	U	
PHENANTHRENE	41	U	
PYRENE	41	U	

nsample	CEF-293-SU-141-06
samp_date	10/11/2002
lab_id	F15024-6
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	39	U	
2-METHYLNAPHTHALENE	39	U	
ACENAPHTHENE	78	U	
ACENAPHTHYLENE	78	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	39	U	
PHENANTHRENE	39	U	
PYRENE	39	U	

nsample	CEF-293-SU-142-04
samp_date	10/11/2002
lab_id	F15024-10
qc_type	NM
units	UG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	82.9	J	P
2-METHYLNAPHTHALENE	100	J	P
ACENAPHTHENE	80	U	
ACENAPHTHYLENE	80	U	
ANTHRACENE	40	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	40	U	
FLUORENE	40	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	175	J	P
PHENANTHRENE	40	U	
PYRENE	40	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-142-06	nsample	CEF-293-SU-143-04	nsample	CEF-293-SU-143-06
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-11	lab_id	F15024-12	lab_id	F15024-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	87.1	Pct_Solids	84.3	Pct_Solids	84.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	38	U	
2-METHYLNAPHTHALENE	38	U	
ACENAPHTHENE	76	U	
ACENAPHTHYLENE	76	U	
ANTHRACENE	38	U	
BENZO(A)ANTHRACENE	15	U	
BENZO(A)PYRENE	15	U	
BENZO(B)FLUORANTHENE	15	U	
BENZO(G,H,I)PERYLENE	15	U	
BENZO(K)FLUORANTHENE	15	U	
CHRYSENE	15	U	
DIBENZO(A,H)ANTHRACENE	15	U	
FLUORANTHENE	38	U	
FLUORENE	38	U	
INDENO(1,2,3-CD)PYRENE	15	U	
NAPHTHALENE	38	U	
PHENANTHRENE	38	U	
PYRENE	38	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	39	U	
2-METHYLNAPHTHALENE	39	U	
ACENAPHTHENE	79	U	
ACENAPHTHYLENE	79	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	39	U	
PHENANTHRENE	39	U	
PYRENE	39	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	39	U	
2-METHYLNAPHTHALENE	39	U	
ACENAPHTHENE	78	U	
ACENAPHTHYLENE	78	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	39	U	
PHENANTHRENE	39	U	
PYRENE	39	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-144-04	nsample	CEF-293-SU-144-06	nsample	CEF-293-SU-145-04
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-16	lab_id	F15024-17	lab_id	F15024-18
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.4	Pct_Solids	87.7	Pct_Solids	93.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	39	U	
2-METHYLNAPHTHALENE	39	U	
ACENAPHTHENE	78	U	
ACENAPHTHYLENE	78	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	39	U	
PHENANTHRENE	39	U	
PYRENE	39	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	37	U	
2-METHYLNAPHTHALENE	37	U	
ACENAPHTHENE	74	U	
ACENAPHTHYLENE	74	U	
ANTHRACENE	37	U	
BENZO(A)ANTHRACENE	15	U	
BENZO(A)PYRENE	15	U	
BENZO(B)FLUORANTHENE	15	U	
BENZO(G,H,I)PERYLENE	15	U	
BENZO(K)FLUORANTHENE	15	U	
CHRYSENE	15	U	
DIBENZO(A,H)ANTHRACENE	15	U	
FLUORANTHENE	37	U	
FLUORENE	37	U	
INDENO(1,2,3-CD)PYRENE	15	U	
NAPHTHALENE	37	U	
PHENANTHRENE	37	U	
PYRENE	37	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	35	U	
2-METHYLNAPHTHALENE	35	U	
ACENAPHTHENE	71	U	
ACENAPHTHYLENE	71	U	
ANTHRACENE	35	U	
BENZO(A)ANTHRACENE	49.7	J	P
BENZO(A)PYRENE	145	J	P
BENZO(B)FLUORANTHENE	129	J	P
BENZO(G,H,I)PERYLENE	193	J	P
BENZO(K)FLUORANTHENE	81.8	J	P
CHRYSENE	60.8	J	P
DIBENZO(A,H)ANTHRACENE	28.4	J	P
FLUORANTHENE	55	J	P
FLUORENE	35	U	
INDENO(1,2,3-CD)PYRENE	177	J	P
NAPHTHALENE	35	U	
PHENANTHRENE	35	U	
PYRENE	57.2	J	P

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-145-06	nsample	CEF-293-SU-146-01	nsample	CEF-293-SU-146-04
samp_date	10/11/2002	samp_date	10/11/2002	samp_date	10/11/2002
lab_id	F15024-19	lab_id	F15024-20	lab_id	F15024-21
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	76.4	Pct_Solids	90.8	Pct_Solids	81.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	43	U	
2-METHYLNAPHTHALENE	43	U	
ACENAPHTHENE	87	U	
ACENAPHTHYLENE	87	U	
ANTHRACENE	43	U	
BENZO(A)ANTHRACENE	17	U	
BENZO(A)PYRENE	17	U	
BENZO(B)FLUORANTHENE	17	U	
BENZO(G,H,I)PERYLENE	17	U	
BENZO(K)FLUORANTHENE	17	U	
CHRYSENE	17	U	
DIBENZO(A,H)ANTHRACENE	17	U	
FLUORANTHENE	43	U	
FLUORENE	43	U	
INDENO(1,2,3-CD)PYRENE	17	U	
NAPHTHALENE	43	U	
PHENANTHRENE	43	U	
PYRENE	43	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	36	U	
2-METHYLNAPHTHALENE	36	U	
ACENAPHTHENE	72	U	
ACENAPHTHYLENE	72	U	
ANTHRACENE	36	U	
BENZO(A)ANTHRACENE	14	U	
BENZO(A)PYRENE	14	U	
BENZO(B)FLUORANTHENE	14	U	
BENZO(G,H,I)PERYLENE	14	U	
BENZO(K)FLUORANTHENE	14	U	
CHRYSENE	14	U	
DIBENZO(A,H)ANTHRACENE	14	U	
FLUORANTHENE	36	U	
FLUORENE	36	U	
INDENO(1,2,3-CD)PYRENE	14	U	
NAPHTHALENE	36	U	
PHENANTHRENE	36	U	
PYRENE	36	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	41	U	
2-METHYLNAPHTHALENE	41	U	
ACENAPHTHENE	81	U	
ACENAPHTHYLENE	81	U	
ANTHRACENE	41	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	41	U	
FLUORENE	41	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	41	U	
PHENANTHRENE	41	U	
PYRENE	41	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-146-06
samp_date	10/11/2002
lab_id	F15024-22
qc_type	NM
units	UG/KG
Pct_Solids	83.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	39	U	
2-METHYLNAPHTHALENE	39	U	
ACENAPHTHENE	78	U	
ACENAPHTHYLENE	78	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	16	U	
BENZO(A)PYRENE	16	U	
BENZO(B)FLUORANTHENE	16	U	
BENZO(G,H,I)PERYLENE	16	U	
BENZO(K)FLUORANTHENE	16	U	
CHRYSENE	16	U	
DIBENZO(A,H)ANTHRACENE	16	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	16	U	
NAPHTHALENE	39	U	
PHENANTHRENE	39	U	
PYRENE	39	U	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-DU09
samp_date	10/11/2002
lab_id	F15024-14
qc_type	NM
units	MG/KG
Pct_Solids	85.7
DUP_OF:	CEF-293-SU-141-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	12.2	J	

nsample	CEF-293-DU10
samp_date	10/11/2002
lab_id	F15024-15
qc_type	NM
units	MG/KG
Pct_Solids	73
DUP_OF:	CEF-293-SU-146-04

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	57.8	J	G

nsample	CEF-293-SU-139-01
samp_date	10/11/2002
lab_id	F15024-1
qc_type	NM
units	MG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	22.9	J	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-139-04
samp_date	10/11/2002
lab_id	F15024-2
qc_type	NM
units	MG/KG
Pct_Solids	81.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	41.3	J	

nsample	CEF-293-SU-139-08
samp_date	10/11/2002
lab_id	F15024-3
qc_type	NM
units	MG/KG
Pct_Solids	76
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	34.3	J	

nsample	CEF-293-SU-140-01
samp_date	10/11/2002
lab_id	F15024-7
qc_type	NM
units	MG/KG
Pct_Solids	91.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9.77	J	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-140-04
samp_date	10/11/2002
lab_id	F15024-8
qc_type	NM
units	MG/KG
Pct_Solids	74.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1820	J	

nsample	CEF-293-SU-140-06
samp_date	10/11/2002
lab_id	F15024-9
qc_type	NM
units	MG/KG
Pct_Solids	86.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	34.5	J	

nsample	CEF-293-SU-141-01
samp_date	10/11/2002
lab_id	F15024-4
qc_type	NM
units	MG/KG
Pct_Solids	88.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	33.2	J	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-141-04
samp_date	10/11/2002
lab_id	F15024-5
qc_type	NM
units	MG/KG
Pct_Solids	80.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	17.3	J	

nsample	CEF-293-SU-141-06
samp_date	10/11/2002
lab_id	F15024-6
qc_type	NM
units	MG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.5	U	

nsample	CEF-293-SU-142-04
samp_date	10/11/2002
lab_id	F15024-10
qc_type	NM
units	MG/KG
Pct_Solids	82.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	47.9	J	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-142-06
samp_date	10/11/2002
lab_id	F15024-11
qc_type	NM
units	MG/KG
Pct_Solids	87.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10.6	J	

nsample	CEF-293-SU-143-04
samp_date	10/11/2002
lab_id	F15024-12
qc_type	NM
units	MG/KG
Pct_Solids	84.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.6	U	

nsample	CEF-293-SU-143-06
samp_date	10/11/2002
lab_id	F15024-13
qc_type	NM
units	MG/KG
Pct_Solids	84.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.03	J	P

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-144-04
samp_date	10/11/2002
lab_id	F15024-16
qc_type	NM
units	MG/KG
Pct_Solids	84.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.4	U	

nsample	CEF-293-SU-144-06
samp_date	10/11/2002
lab_id	F15024-17
qc_type	NM
units	MG/KG
Pct_Solids	87.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.4	U	

nsample	CEF-293-SU-145-04
samp_date	10/11/2002
lab_id	F15024-18
qc_type	NM
units	MG/KG
Pct_Solids	93.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	23.1	J	

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-145-06
samp_date	10/11/2002
lab_id	F15024-19
qc_type	NM
units	MG/KG
Pct_Solids	76.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	46.7	J	

nsample	CEF-293-SU-146-01
samp_date	10/11/2002
lab_id	F15024-20
qc_type	NM
units	MG/KG
Pct_Solids	90.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6	U	

nsample	CEF-293-SU-146-04
samp_date	10/11/2002
lab_id	F15024-21
qc_type	NM
units	MG/KG
Pct_Solids	81.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	13.1	J	G

PROJ_NO: 0039

SDG: F15024 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-146-06
samp_date	10/11/2002
lab_id	F15024-22
qc_type	NM
units	MG/KG
Pct_Solids	83.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.7	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU09		
Lab Sample ID:	F15024-14	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018651.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	5.02 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	12	ug/kg	
71-43-2	Benzene	ND	5.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	2.3	ug/kg	
75-25-2	Bromoform	ND	5.8	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.5	ug/kg	
67-66-3	Chloroform	ND	5.8	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	2.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.8	2.3	ug/kg	
100-42-5	Styrene	ND	5.8	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	2.3	ug/kg	
108-88-3	Toluene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-DU09		
Lab Sample ID:	F15024-14	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.8	2.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
1330-20-7	Xylene (total)	ND	17	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU10		
Lab Sample ID:	F15024-15	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	73.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018652.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.56 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	56.8	75	15	ug/kg	J
71-43-2	Benzene	ND	7.5	3.0	ug/kg	
75-27-4	Bromodichloromethane	ND	7.5	3.0	ug/kg	
75-25-2	Bromoform	ND	7.5	3.0	ug/kg	
108-90-7	Chlorobenzene	ND	7.5	3.0	ug/kg	
75-00-3	Chloroethane	ND	7.5	4.5	ug/kg	
67-66-3	Chloroform	ND	7.5	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	7.5	3.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.5	3.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.5	3.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.5	3.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.5	3.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.5	3.0	ug/kg	
124-48-1	Dibromochloromethane	ND	7.5	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.5	3.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.5	3.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.5	3.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.5	3.0	ug/kg	
100-41-4	Ethylbenzene	ND	7.5	3.0	ug/kg	
591-78-6	2-Hexanone	ND	38	15	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	38	15	ug/kg	
74-83-9	Methyl bromide	ND	7.5	3.0	ug/kg	
74-87-3	Methyl chloride	ND	7.5	3.0	ug/kg	
75-09-2	Methylene chloride	ND	15	7.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	38	15	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.5	3.0	ug/kg	
100-42-5	Styrene	ND	7.5	3.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.5	3.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.5	3.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.5	3.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.5	3.0	ug/kg	
108-88-3	Toluene	ND	7.5	3.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU10		
Lab Sample ID:	F15024-15	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	73.0
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.5	3.0	ug/kg	
75-01-4	Vinyl chloride	ND	7.5	3.0	ug/kg	
1330-20-7	Xylene (total)	ND	23	6.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	117%		79-121%
460-00-4	4-Bromofluorobenzene	131%		77-133%
17060-07-0	1,2-Dichloroethane-D4	97%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-01		
Lab Sample ID:	F15024-1	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	92.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018636.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.35 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-139-01		
Lab Sample ID:	F15024-1	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	92.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	116%		79-121%
460-00-4	4-Bromofluorobenzene	121%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-04		
Lab Sample ID:	F15024-2	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018637.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.96 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	12	ug/kg	
71-43-2	Benzene	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-139-04		
Lab Sample ID:	F15024-2	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	113%		79-121%
460-00-4	4-Bromofluorobenzene	123%		77-133%
17060-07-0	1,2-Dichloroethane-D4	99%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-08		
Lab Sample ID:	F15024-3	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	76.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018638.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.49 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.2	73	15	ug/kg	J
71-43-2	Benzene	ND	7.3	2.9	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	2.9	ug/kg	
75-25-2	Bromoform	ND	7.3	2.9	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	2.9	ug/kg	
75-00-3	Chloroethane	ND	7.3	4.4	ug/kg	
67-66-3	Chloroform	ND	7.3	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	7.3	2.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.3	2.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	2.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.3	2.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.3	2.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	2.9	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.3	2.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	2.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.3	2.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	2.9	ug/kg	
100-41-4	Ethylbenzene	ND	7.3	2.9	ug/kg	
591-78-6	2-Hexanone	ND	37	15	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	37	15	ug/kg	
74-83-9	Methyl bromide	ND	7.3	2.9	ug/kg	
74-87-3	Methyl chloride	ND	7.3	2.9	ug/kg	
75-09-2	Methylene chloride	ND	15	7.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	37	15	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.3	2.9	ug/kg	
100-42-5	Styrene	ND	7.3	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	2.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	2.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.3	2.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.3	2.9	ug/kg	
108-88-3	Toluene	ND	7.3	2.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-139-08		
Lab Sample ID:	F15024-3	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	76.0
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.3	2.9	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	2.9	ug/kg	
1330-20-7	Xylene (total)	ND	22	5.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	98%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-01		
Lab Sample ID:	F15024-7	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018646.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.20 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	62.1	65	13	ug/kg	J
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-140-01		
Lab Sample ID:	F15024-7	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-04		
Lab Sample ID:	F15024-8	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	74.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018664.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.76 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1130	3500	710	ug/kg	J
71-43-2	Benzene	ND	350	140	ug/kg	
75-27-4	Bromodichloromethane	ND	350	140	ug/kg	
75-25-2	Bromoform	ND	350	140	ug/kg	
108-90-7	Chlorobenzene	ND	350	140	ug/kg	
75-00-3	Chloroethane	ND	350	210	ug/kg	
67-66-3	Chloroform	ND	350	140	ug/kg	
75-15-0	Carbon disulfide	ND	350	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	140	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	140	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	140	ug/kg	
124-48-1	Dibromochloromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	140	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	140	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	140	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	140	ug/kg	
100-41-4	Ethylbenzene	ND	350	140	ug/kg	
591-78-6	2-Hexanone	ND	1800	710	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	710	ug/kg	
74-83-9	Methyl bromide	ND	350	140	ug/kg	
74-87-3	Methyl chloride	ND	350	140	ug/kg	
75-09-2	Methylene chloride	ND	710	350	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	710	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	350	140	ug/kg	
100-42-5	Styrene	ND	350	140	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	140	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	140	ug/kg	
127-18-4	Tetrachloroethylene	ND	350	140	ug/kg	
108-88-3	Toluene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-140-04		
Lab Sample ID:	F15024-8	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	74.1
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	350	140	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
1330-20-7	Xylene (total)	ND	1100	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	100%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-06		
Lab Sample ID:	F15024-9	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	H018665.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.40 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	660	ug/kg	
71-43-2	Benzene	ND	330	130	ug/kg	
75-27-4	Bromodichloromethane	ND	330	130	ug/kg	
75-25-2	Bromoform	ND	330	130	ug/kg	
108-90-7	Chlorobenzene	ND	330	130	ug/kg	
75-00-3	Chloroethane	ND	330	200	ug/kg	
67-66-3	Chloroform	ND	330	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	130	ug/kg	
124-48-1	Dibromochloromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	130	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	130	ug/kg	
100-41-4	Ethylbenzene	ND	330	130	ug/kg	
591-78-6	2-Hexanone	ND	1600	660	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	660	ug/kg	
74-83-9	Methyl bromide	ND	330	130	ug/kg	
74-87-3	Methyl chloride	ND	330	130	ug/kg	
75-09-2	Methylene chloride	ND	660	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	660	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	330	130	ug/kg	
100-42-5	Styrene	ND	330	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	130	ug/kg	
108-88-3	Toluene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-140-06		
Lab Sample ID:	F15024-9	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	330	130	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
1330-20-7	Xylene (total)	595	990	260	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	91%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-01		
Lab Sample ID:	F15024-4	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	88.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018639.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.37 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	13	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-141-01		
Lab Sample ID:	F15024-4	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	88.6
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	110%		77-133%
17060-07-0	1,2-Dichloroethane-D4	101%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-04		
Lab Sample ID:	F15024-5	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018644.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.68 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	13	ug/kg	
71-43-2	Benzene	ND	6.6	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	2.6	ug/kg	
75-25-2	Bromoform	ND	6.6	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.6	4.0	ug/kg	
67-66-3	Chloroform	ND	6.6	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.6	2.6	ug/kg	
100-42-5	Styrene	ND	6.6	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	2.6	ug/kg	
108-88-3	Toluene	ND	6.6	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-141-04		
Lab Sample ID:	F15024-5	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.6	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	110%		77-133%
17060-07-0	1,2-Dichloroethane-D4	87%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-06		
Lab Sample ID:	F15024-6	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018645.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.66 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	53.9	64	13	ug/kg	J
71-43-2	Benzene	ND	6.4	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.5	ug/kg	
75-25-2	Bromoform	ND	6.4	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.8	ug/kg	
67-66-3	Chloroform	ND	6.4	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.5	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.5	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.5	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.5	ug/kg	
100-42-5	Styrene	ND	6.4	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.5	ug/kg	
108-88-3	Toluene	ND	6.4	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-06		
Lab Sample ID:	F15024-6	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.5	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.5	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	103%		77-133%
17060-07-0	1,2-Dichloroethane-D4	90%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-04		
Lab Sample ID:	F15024-10	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018647.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.69 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	60.5	64	13	ug/kg	J
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.9	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-142-04		
Lab Sample ID:	F15024-10	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	85%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-06		
Lab Sample ID:	F15024-11	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018648.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.20 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	340	68	14	ug/kg	
71-43-2	Benzene	ND	6.8	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	2.7	ug/kg	
75-25-2	Bromoform	ND	6.8	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.8	4.1	ug/kg	
67-66-3	Chloroform	ND	6.8	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.8	2.7	ug/kg	
100-42-5	Styrene	ND	6.8	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	2.7	ug/kg	
108-88-3	Toluene	ND	6.8	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-06		
Lab Sample ID:	F15024-11	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	11.1	21	5.5	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	109%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-04		
Lab Sample ID:	F15024-12	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018649.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	84.7	59	12	ug/kg	
71-43-2	Benzene	ND	5.9	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	2.4	ug/kg	
75-25-2	Bromoform	ND	5.9	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	2.4	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.6	ug/kg	
67-66-3	Chloroform	ND	5.9	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	5.9	2.4	ug/kg	
100-42-5	Styrene	ND	5.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	2.4	ug/kg	
108-88-3	Toluene	ND	5.9	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-04		
Lab Sample ID:	F15024-12	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	5.9	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	108%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-06		
Lab Sample ID:	F15024-13	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018650.D	1	10/23/02	NAF	n/a	n/a	VH648
Run #2							

	Initial Weight
Run #1	4.34 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	67.5	68	14	ug/kg	J
71-43-2	Benzene	ND	6.8	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	2.7	ug/kg	
75-25-2	Bromoform	ND	6.8	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.8	4.1	ug/kg	
67-66-3	Chloroform	ND	6.8	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.8	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.8	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.8	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	14	ug/kg	
74-83-9	Methyl bromide	ND	6.8	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.8	2.7	ug/kg	
75-09-2	Methylene chloride	ND	14	6.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.8	2.7	ug/kg	
100-42-5	Styrene	ND	6.8	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.8	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.8	2.7	ug/kg	
108-88-3	Toluene	ND	6.8	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-06		
Lab Sample ID:	F15024-13	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.8	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-04		
Lab Sample ID:	F15024-16	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018660.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight
Run #1	4.48 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.1	66	13	ug/kg	J
71-43-2	Benzene	ND	6.6	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	2.6	ug/kg	
75-25-2	Bromoform	ND	6.6	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.6	4.0	ug/kg	
67-66-3	Chloroform	ND	6.6	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.6	2.6	ug/kg	
100-42-5	Styrene	ND	6.6	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	2.6	ug/kg	
108-88-3	Toluene	ND	6.6	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-144-04		
Lab Sample ID:	F15024-16	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.6	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-06		
Lab Sample ID:	F15024-17	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	87.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018661.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight
Run #1	4.35 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	13	ug/kg	
71-43-2	Benzene	ND	6.6	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	2.6	ug/kg	
75-25-2	Bromoform	ND	6.6	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.6	3.9	ug/kg	
67-66-3	Chloroform	ND	6.6	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.6	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.6	2.6	ug/kg	
100-42-5	Styrene	ND	6.6	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	2.6	ug/kg	
108-88-3	Toluene	ND	6.6	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-144-06		
Lab Sample ID:	F15024-17	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	87.7
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.6	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-04		
Lab Sample ID:	F15024-18	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	93.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018628.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.13 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	13	ug/kg	
71-43-2	Benzene	ND	6.4	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	2.6	ug/kg	
75-25-2	Bromoform	ND	6.4	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.4	3.9	ug/kg	
67-66-3	Chloroform	ND	6.4	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.4	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.4	2.6	ug/kg	
100-42-5	Styrene	ND	6.4	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	2.6	ug/kg	
108-88-3	Toluene	ND	6.4	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-145-04		
Lab Sample ID:	F15024-18	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	93.9
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.4	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	19	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	111%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-06		
Lab Sample ID:	F15024-19	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	76.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018629.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	4.88 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	13	ug/kg	
71-43-2	Benzene	ND	6.7	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	2.7	ug/kg	
75-25-2	Bromoform	ND	6.7	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.7	4.0	ug/kg	
67-66-3	Chloroform	ND	6.7	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	2.7	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	2.7	ug/kg	
591-78-6	2-Hexanone	ND	34	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	34	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	34	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	2.7	ug/kg	
108-88-3	Toluene	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-145-06		
Lab Sample ID:	F15024-19	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	76.4
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.7	2.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	114%		79-121%
460-00-4	4-Bromofluorobenzene	123%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-01		
Lab Sample ID:	F15024-20	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	90.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018630.D	1	10/22/02	NAF	n/a	n/a	VH647
Run #2							

	Initial Weight
Run #1	3.93 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	225	70	14	ug/kg	
71-43-2	Benzene	ND	7.0	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.0	2.8	ug/kg	
75-25-2	Bromoform	ND	7.0	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.0	4.2	ug/kg	
67-66-3	Chloroform	ND	7.0	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	7.0	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.0	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.0	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.0	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	2.8	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.0	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	2.8	ug/kg	
100-41-4	Ethylbenzene	ND	7.0	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.0	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.0	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	35	14	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	7.0	2.8	ug/kg	
100-42-5	Styrene	ND	7.0	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.0	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.0	2.8	ug/kg	
108-88-3	Toluene	ND	7.0	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-146-01		
Lab Sample ID:	F15024-20	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	90.8
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	7.0	2.8	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	2.8	ug/kg	
1330-20-7	Xylene (total)	ND	21	5.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	101%		77-133%
17060-07-0	1,2-Dichloroethane-D4	98%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-04		
Lab Sample ID:	F15024-21	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018662.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight
Run #1	4.68 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	13	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-04		
Lab Sample ID:	F15024-21	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
1330-20-7	Xylene (total)	ND	20	5.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	107%		79-121%
460-00-4	4-Bromofluorobenzene	111%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-06		
Lab Sample ID:	F15024-22	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	83.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H018663.D	1	10/24/02	NAF	n/a	n/a	VH649
Run #2							

	Initial Weight
Run #1	4.94 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	61	12	ug/kg	
71-43-2	Benzene	ND	6.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	2.4	ug/kg	
75-25-2	Bromoform	ND	6.1	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.1	3.6	ug/kg	
67-66-3	Chloroform	ND	6.1	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	2.4	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	2.4	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	**Methyl Tert Butyl Ether**	ND	6.1	2.4	ug/kg	
100-42-5	Styrene	ND	6.1	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	2.4	ug/kg	
108-88-3	Toluene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Report of Analysis

Client Sample ID:	CEF-293-SU-146-06		
Lab Sample ID:	F15024-22	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8260B	**Percent Solids:**	83.5
Project:	NAS Cecil Field-CTO0078/N62467		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-6	Trichloroethylene	ND	6.1	2.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
1330-20-7	Xylene (total)	ND	18	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	108%		79-121%
460-00-4	4-Bromofluorobenzene	107%		77-133%
17060-07-0	1,2-Dichloroethane-D4	98%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU09		
Lab Sample ID:	F15024-14	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012690.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	77	ug/kg	
208-96-8	Acenaphthylene	ND	310	77	ug/kg	
120-12-7	Anthracene	ND	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	61	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	310	38	ug/kg	
86-73-7	Fluorene	ND	310	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	38	ug/kg	
91-20-3	Naphthalene	ND	310	38	ug/kg	
85-01-8	Phenanthrene	ND	310	38	ug/kg	
129-00-0	Pyrene	ND	310	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		41-123%
321-60-8	2-Fluorobiphenyl	75%		46-122%
1718-51-0	Terphenyl-d14	82%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU10		
Lab Sample ID:	F15024-15	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	73.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012691.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	360	91	ug/kg	
208-96-8	Acenaphthylene	ND	360	91	ug/kg	
120-12-7	Anthracene	ND	360	46	ug/kg	
56-55-3	Benzo(a)anthracene	ND	73	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	73	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	73	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	73	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	73	18	ug/kg	
218-01-9	Chrysene	ND	73	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	73	18	ug/kg	
206-44-0	Fluoranthene	ND	360	46	ug/kg	
86-73-7	Fluorene	ND	360	46	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	73	18	ug/kg	
90-12-0	1-Methylnaphthalene	ND	360	46	ug/kg	
91-57-6	2-Methylnaphthalene	ND	360	46	ug/kg	
91-20-3	Naphthalene	ND	360	46	ug/kg	
85-01-8	Phenanthrene	ND	360	46	ug/kg	
129-00-0	Pyrene	ND	360	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		41-123%
321-60-8	2-Fluorobiphenyl	73%		46-122%
1718-51-0	Terphenyl-d14	80%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-01		
Lab Sample ID:	F15024-1	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	92.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012646.D	4	10/19/02	ME	10/16/02	OP6121	SW681
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	71	ug/kg	
208-96-8	Acenaphthylene	ND	290	71	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	14.9	57	14	ug/kg	J
50-32-8	Benzo(a)pyrene	35.1	57	14	ug/kg	J
205-99-2	Benzo(b)fluoranthene	25.4	57	14	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	25.2	57	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	22.7	57	14	ug/kg	J
218-01-9	Chrysene	17.0	57	14	ug/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	31.9	57	14	ug/kg	J
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-04		
Lab Sample ID:	F15024-2	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012649.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	81	ug/kg	
208-96-8	Acenaphthylene	ND	320	81	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	40	ug/kg	
91-20-3	Naphthalene	ND	320	40	ug/kg	
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	88%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-08		
Lab Sample ID:	F15024-3	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	76.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012652.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	350	87	ug/kg	
208-96-8	Acenaphthylene	ND	350	87	ug/kg	
120-12-7	Anthracene	ND	350	44	ug/kg	
56-55-3	Benzo(a)anthracene	ND	70	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	70	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	70	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	70	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	17	ug/kg	
218-01-9	Chrysene	ND	70	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	70	17	ug/kg	
206-44-0	Fluoranthene	ND	350	44	ug/kg	
86-73-7	Fluorene	ND	350	44	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	350	44	ug/kg	
91-57-6	2-Methylnaphthalene	ND	350	44	ug/kg	
91-20-3	Naphthalene	ND	350	44	ug/kg	
85-01-8	Phenanthrene	ND	350	44	ug/kg	
129-00-0	Pyrene	ND	350	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	78%		46-122%
1718-51-0	Terphenyl-d14	87%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-01		
Lab Sample ID:	F15024-7	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012656.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	280	35	ug/kg	
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	ND	280	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	108%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-04		
Lab Sample ID:	F15024-8	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	74.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012684.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	360	89	ug/kg	
208-96-8	Acenaphthylene	ND	360	89	ug/kg	
120-12-7	Anthracene	ND	360	45	ug/kg	
56-55-3	Benzo(a)anthracene	ND	71	18	ug/kg	
50-32-8	Benzo(a)pyrene	ND	71	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	71	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	71	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	71	18	ug/kg	
218-01-9	Chrysene	ND	71	18	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	71	18	ug/kg	
206-44-0	Fluoranthene	ND	360	45	ug/kg	
86-73-7	Fluorene	ND	360	45	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	71	18	ug/kg	
90-12-0	1-Methylnaphthalene	119	360	45	ug/kg	J
91-57-6	2-Methylnaphthalene	198	360	45	ug/kg	J
91-20-3	Naphthalene	94.0	360	45	ug/kg	J
85-01-8	Phenanthrene	ND	360	45	ug/kg	
129-00-0	Pyrene	ND	360	45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		41-123%
321-60-8	2-Fluorobiphenyl	70%		46-122%
1718-51-0	Terphenyl-d14	87%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-06		
Lab Sample ID:	F15024-9	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012685.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	76	ug/kg	
208-96-8	Acenaphthylene	ND	310	76	ug/kg	
120-12-7	Anthracene	ND	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	61	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	310	38	ug/kg	
86-73-7	Fluorene	ND	310	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	269	310	38	ug/kg	J
91-57-6	2-Methylnaphthalene	362	310	38	ug/kg	
91-20-3	Naphthalene	125	310	38	ug/kg	J
85-01-8	Phenanthrene	ND	310	38	ug/kg	
129-00-0	Pyrene	ND	310	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	68%		46-122%
1718-51-0	Terphenyl-d14	84%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-01		
Lab Sample ID:	F15024-4	Date Sampled:	10/11/02
Matrix:	SO - Soil	Date Received:	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	Percent Solids:	88.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012653.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	75	ug/kg	
208-96-8	Acenaphthylene	ND	300	75	ug/kg	
120-12-7	Anthracene	ND	300	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	60	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	60	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	60	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	60	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	60	15	ug/kg	
218-01-9	Chrysene	ND	60	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	60	15	ug/kg	
206-44-0	Fluoranthene	ND	300	38	ug/kg	
86-73-7	Fluorene	ND	300	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	60	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	38	ug/kg	
91-20-3	Naphthalene	ND	300	38	ug/kg	
85-01-8	Phenanthrene	ND	300	38	ug/kg	
129-00-0	Pyrene	ND	300	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		41-123%
321-60-8	2-Fluorobiphenyl	90%		46-122%
1718-51-0	Terphenyl-d14	109%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-01		
Lab Sample ID:	F15024-4	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	88.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012653.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	8.0	2.0	ug/kg	
208-96-8	Acenaphthylene	ND	8.0	2.0	ug/kg	
120-12-7	Anthracene	ND	8.0	1.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	1.6	0.40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	1.6	0.40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	1.6	0.40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1.6	0.40	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	1.6	0.40	ug/kg	
218-01-9	Chrysene	ND	1.6	0.40	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1.6	0.40	ug/kg	
206-44-0	Fluoranthene	ND	8.0	1.0	ug/kg	
86-73-7	Fluorene	ND	8.0	1.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.6	0.40	ug/kg	
90-12-0	1-Methylnaphthalene	ND	8.0	1.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	8.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	8.0	1.0	ug/kg	
85-01-8	Phenanthrene	ND	8.0	1.0	ug/kg	
129-00-0	Pyrene	ND	8.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		41-123%
321-60-8	2-Fluorobiphenyl	90%		46-122%
1718-51-0	Terphenyl-d14	109%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-04		
Lab Sample ID:	F15024-5	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	80.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012654.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	330	82	ug/kg	
208-96-8	Acenaphthylene	ND	330	82	ug/kg	
120-12-7	Anthracene	ND	330	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	330	41	ug/kg	
86-73-7	Fluorene	ND	330	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	330	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	330	41	ug/kg	
91-20-3	Naphthalene	ND	330	41	ug/kg	
85-01-8	Phenanthrene	ND	330	41	ug/kg	
129-00-0	Pyrene	ND	330	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		41-123%
321-60-8	2-Fluorobiphenyl	92%		46-122%
1718-51-0	Terphenyl-d14	102%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-06		
Lab Sample ID:	F15024-6	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012655.D	4	10/19/02	ME	10/16/02	OP6121	SW682
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	80%		46-122%
1718-51-0	Terphenyl-d14	88%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-04		
Lab Sample ID:	F15024-10	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012686.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	80	ug/kg	
208-96-8	Acenaphthylene	ND	320	80	ug/kg	
120-12-7	Anthracene	ND	320	40	ug/kg	
56-55-3	Benzo(a)anthracene	ND	64	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	64	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	64	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	64	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	64	16	ug/kg	
218-01-9	Chrysene	ND	64	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	64	16	ug/kg	
206-44-0	Fluoranthene	ND	320	40	ug/kg	
86-73-7	Fluorene	ND	320	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	16	ug/kg	
90-12-0	1-Methylnaphthalene	82.9	320	40	ug/kg	J
91-57-6	2-Methylnaphthalene	100	320	40	ug/kg	J
91-20-3	Naphthalene	175	320	40	ug/kg	J
85-01-8	Phenanthrene	ND	320	40	ug/kg	
129-00-0	Pyrene	ND	320	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		41-123%
321-60-8	2-Fluorobiphenyl	72%		46-122%
1718-51-0	Terphenyl-d14	81%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-06		
Lab Sample ID:	F15024-11	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012687.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	76	ug/kg	
208-96-8	Acenaphthylene	ND	310	76	ug/kg	
120-12-7	Anthracene	ND	310	38	ug/kg	
56-55-3	Benzo(a)anthracene	ND	61	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	61	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	61	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	61	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	61	15	ug/kg	
218-01-9	Chrysene	ND	61	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	61	15	ug/kg	
206-44-0	Fluoranthene	ND	310	38	ug/kg	
86-73-7	Fluorene	ND	310	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	61	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	38	ug/kg	
91-20-3	Naphthalene	ND	310	38	ug/kg	
85-01-8	Phenanthrene	ND	310	38	ug/kg	
129-00-0	Pyrene	ND	310	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	76%		46-122%
1718-51-0	Terphenyl-d14	79%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-04		
Lab Sample ID:	F15024-12	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012688.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	79	ug/kg	
208-96-8	Acenaphthylene	ND	310	79	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	92%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-06		
Lab Sample ID:	F15024-13	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012689.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		41-123%
321-60-8	2-Fluorobiphenyl	79%		46-122%
1718-51-0	Terphenyl-d14	88%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-04		
Lab Sample ID:	F15024-16	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012692.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	63	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	63	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	63	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	63	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	63	16	ug/kg	
218-01-9	Chrysene	ND	63	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	63	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		41-123%
321-60-8	2-Fluorobiphenyl	83%		46-122%
1718-51-0	Terphenyl-d14	89%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-06		
Lab Sample ID:	F15024-17	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	87.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012695.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	300	74	ug/kg	
208-96-8	Acenaphthylene	ND	300	74	ug/kg	
120-12-7	Anthracene	ND	300	37	ug/kg	
56-55-3	Benzo(a)anthracene	ND	59	15	ug/kg	
50-32-8	Benzo(a)pyrene	ND	59	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	59	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	59	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	59	15	ug/kg	
218-01-9	Chrysene	ND	59	15	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	59	15	ug/kg	
206-44-0	Fluoranthene	ND	300	37	ug/kg	
86-73-7	Fluorene	ND	300	37	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	59	15	ug/kg	
90-12-0	1-Methylnaphthalene	ND	300	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	300	37	ug/kg	
91-20-3	Naphthalene	ND	300	37	ug/kg	
85-01-8	Phenanthrene	ND	300	37	ug/kg	
129-00-0	Pyrene	ND	300	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		41-123%
321-60-8	2-Fluorobiphenyl	84%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-04		
Lab Sample ID:	F15024-18	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	93.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012715.D	4	10/21/02	ME	10/16/02	OP6124	SW686
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	280	71	ug/kg	
208-96-8	Acenaphthylene	ND	280	71	ug/kg	
120-12-7	Anthracene	ND	280	35	ug/kg	
56-55-3	Benzo(a)anthracene	49.7	57	14	ug/kg	J
50-32-8	Benzo(a)pyrene	145	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	129	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	193	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	81.8	57	14	ug/kg	
218-01-9	Chrysene	60.8	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	28.4	57	14	ug/kg	J
206-44-0	Fluoranthene	55.0	280	35	ug/kg	J
86-73-7	Fluorene	ND	280	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	177	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	280	35	ug/kg	
91-57-6	2-Methylnaphthalene	ND	280	35	ug/kg	
91-20-3	Naphthalene	ND	280	35	ug/kg	
85-01-8	Phenanthrene	ND	280	35	ug/kg	
129-00-0	Pyrene	57.2	280	35	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	104%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-06		
Lab Sample ID:	F15024-19	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	76.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012697.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	350	87	ug/kg	
208-96-8	Acenaphthylene	ND	350	87	ug/kg	
120-12-7	Anthracene	ND	350	43	ug/kg	
56-55-3	Benzo(a)anthracene	ND	69	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	69	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	69	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	69	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	69	17	ug/kg	
218-01-9	Chrysene	ND	69	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	69	17	ug/kg	
206-44-0	Fluoranthene	ND	350	43	ug/kg	
86-73-7	Fluorene	ND	350	43	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	69	17	ug/kg	
90-12-0	1-Methylnaphthalene	ND	350	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	350	43	ug/kg	
91-20-3	Naphthalene	ND	350	43	ug/kg	
85-01-8	Phenanthrene	ND	350	43	ug/kg	
129-00-0	Pyrene	ND	350	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		41-123%
321-60-8	2-Fluorobiphenyl	85%		46-122%
1718-51-0	Terphenyl-d14	85%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-01		
Lab Sample ID:	F15024-20	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	90.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012698.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	290	72	ug/kg	
208-96-8	Acenaphthylene	ND	290	72	ug/kg	
120-12-7	Anthracene	ND	290	36	ug/kg	
56-55-3	Benzo(a)anthracene	ND	57	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	57	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	57	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	57	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	57	14	ug/kg	
218-01-9	Chrysene	ND	57	14	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	57	14	ug/kg	
206-44-0	Fluoranthene	ND	290	36	ug/kg	
86-73-7	Fluorene	ND	290	36	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	57	14	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	290	36	ug/kg	
91-20-3	Naphthalene	ND	290	36	ug/kg	
85-01-8	Phenanthrene	ND	290	36	ug/kg	
129-00-0	Pyrene	ND	290	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	77%		46-122%
1718-51-0	Terphenyl-d14	80%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-04		
Lab Sample ID:	F15024-21	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012699.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	320	81	ug/kg	
208-96-8	Acenaphthylene	ND	320	81	ug/kg	
120-12-7	Anthracene	ND	320	41	ug/kg	
56-55-3	Benzo(a)anthracene	ND	65	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	65	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	65	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	65	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	65	16	ug/kg	
218-01-9	Chrysene	ND	65	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	65	16	ug/kg	
206-44-0	Fluoranthene	ND	320	41	ug/kg	
86-73-7	Fluorene	ND	320	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	320	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	320	41	ug/kg	
91-20-3	Naphthalene	ND	320	41	ug/kg	
85-01-8	Phenanthrene	ND	320	41	ug/kg	
129-00-0	Pyrene	ND	320	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		41-123%
321-60-8	2-Fluorobiphenyl	80%		46-122%
1718-51-0	Terphenyl-d14	82%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-06		
Lab Sample ID:	F15024-22	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	SW846 8270C BY SIM SW846 3550B	**Percent Solids:**	83.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W012700.D	4	10/20/02	ME	10/16/02	OP6124	SW684
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	310	78	ug/kg	
208-96-8	Acenaphthylene	ND	310	78	ug/kg	
120-12-7	Anthracene	ND	310	39	ug/kg	
56-55-3	Benzo(a)anthracene	ND	62	16	ug/kg	
50-32-8	Benzo(a)pyrene	ND	62	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	62	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	62	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	62	16	ug/kg	
218-01-9	Chrysene	ND	62	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	62	16	ug/kg	
206-44-0	Fluoranthene	ND	310	39	ug/kg	
86-73-7	Fluorene	ND	310	39	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	62	16	ug/kg	
90-12-0	1-Methylnaphthalene	ND	310	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	310	39	ug/kg	
91-20-3	Naphthalene	ND	310	39	ug/kg	
85-01-8	Phenanthrene	ND	310	39	ug/kg	
129-00-0	Pyrene	ND	310	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		41-123%
321-60-8	2-Fluorobiphenyl	82%		46-122%
1718-51-0	Terphenyl-d14	90%		45-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU09		
Lab Sample ID:	F15024-14	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24808.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	12.2	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-DU10		
Lab Sample ID:	F15024-15	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	73.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24809.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	57.8	11	7.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-01		
Lab Sample ID:	F15024-1	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	92.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24789.D	1	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	22.9	9.0	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-04		
Lab Sample ID:	F15024-2	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24790.D	1	10/18/02	SKW	10/15/02	OP6120	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	41.3	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-139-08		
Lab Sample ID:	F15024-3	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	76.0
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24796.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	34.3	11	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-01		
Lab Sample ID:	F15024-7	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	91.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24800.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	9.77	9.0	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-04		
Lab Sample ID:	F15024-8	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	74.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24886.D	20	10/21/02	SKW	10/16/02	OP6125	GOP873
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1820	220	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-140-06		
Lab Sample ID:	F15024-9	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	86.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24887.D	1	10/21/02	SKW	10/16/02	OP6125	GOP873
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	34.5	9.5	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-01		
Lab Sample ID:	F15024-4	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	88.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24885.D	1	10/21/02	SKW	10/16/02	OP6125	GOP873
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	33.2	9.2	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-04		
Lab Sample ID:	F15024-5	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	80.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24798.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	17.3	10	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-141-06		
Lab Sample ID:	F15024-6	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24799.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.5	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-04		
Lab Sample ID:	F15024-10	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24803.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	47.9	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-142-06		
Lab Sample ID:	F15024-11	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.1
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24805.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	10.6	9.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-04		
Lab Sample ID:	F15024-12	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.3
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24806.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.7	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-143-06		
Lab Sample ID:	F15024-13	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24807.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7.03	9.9	6.7	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-04		
Lab Sample ID:	F15024-16	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24810.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-144-06		
Lab Sample ID:	F15024-17	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	87.7
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24813.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.4	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-04		
Lab Sample ID:	F15024-18	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	93.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24888.D	1	10/21/02	SKW	10/16/02	OP6125	GOP873
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	23.1	8.8	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-145-06		
Lab Sample ID:	F15024-19	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	76.4
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24816.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	46.7	11	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-01		
Lab Sample ID:	F15024-20	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	90.8
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24817.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	8.8	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-04		
Lab Sample ID:	F15024-21	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.9
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24818.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	13.1	10	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-146-06		
Lab Sample ID:	F15024-22	**Date Sampled:**	10/11/02
Matrix:	SO - Soil	**Date Received:**	10/12/02
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.5
Project:	NAS Cecil Field-CTO0078/N62467		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP24819.D	1	10/18/02	SKW	10/16/02	OP6125	GOP871
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.8	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

PHASE III LABORATORY ANALYTICAL DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. SPERANZA** **DATE: MARCH 19, 2003**

FROM: **SETH C. STAFFEN** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOA / TPH**
CTO 078 – NAS CECIL FIELD
SDG: 211163

SAMPLES: 1/Soil/VOA

CEF-293-SU-234-06

5/Soil/TPH

CEF-293-DU13	CEF-293-SS-231-02	CEF-293-SU-232-03
CEF-293-233-03	CEF-293-SU-234-04	

OVERVIEW

The sample set for CTO 078, SDG 211163, Naval Air Station (NAS) Cecil Field; Florida consists of six (6) soil environmental samples that were analyzed for Target Compound List (TCL) volatile organic compounds and total petroleum hydrocarbons. One field duplicate pair was included within this SDG: CEF-293-DU13 / CEF-293-SU-232-03.

The samples were collected by Tetra Tech NUS on November 26, 2002 and analyzed by GPL Laboratories. All analyses were performed in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria and analyzed according to SW 846 Methods 8260B and Florida-PRO analytical and reporting protocol. The data in this SDG was validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
• Initial/continuing calibrations
• Laboratory method/field quality control blank results
* • Field duplicate precision
• Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A.

The text of this report is formulated to address only gross noncompliances resulting in the rejection of data and the elimination of false positives.

VOLATILE FRACTION

The initial calibration on 11/19/02 contained a percent relative standard deviation (%RSD) that exceeded the 30% quality control limit for methylene chloride. No qualification action was taken.

The initial calibration on 11/19/02 contained a relative response factor (RRF) that was less than the 0.05 quality control limit for acetone and 2-butanone. No action was taken for acetone because it was qualified for laboratory method blank contamination. The positive result for 2-butanone was qualified as estimated, J.

The continuing calibration on 12/02/02 at 1056 contained a percent difference (%D) that exceeded the 25% quality control limit for tetrachloroethene. No qualification action was taken.

The continuing calibration on 12/02/02 at 1056 contained a RRF that was less than the 0.05 quality control limit for 2-butanone. The positive result for 2-butanone was qualified as estimated, J.

The following compounds were detected in the laboratory method blank at the maximum concentrations indicated below:

Compound	Concentration	Soil Action Level
Acetone	12 µg/kg	120 µg/kg
Methylene chloride	11 µg/kg	110 µg/kg
Trichloroethene	1.3 µg/kg	6.5 µg/kg

Blank Actions

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < action level; report value followed by a U.
- Value > RL and > action level; report value unqualified.

An action level of 10X (acetone and methylene chloride) and 5X (trichloroethene) the maximum laboratory contaminant concentration was established to evaluate laboratory contamination. Dilution factors, percent moisture, and sample aliquots were taken into consideration during the application of all action levels. The positive results were qualified as (U) as a result of method blank contamination for acetone, methylene chloride, and trichloroethene.

TPH FRACTION

The initial calibration on 11/27/02 contained a %RSD that exceeded the 20% quality control limit for TPH. No qualification action was taken.

Samples CEF-293-SU-233-03, CEF-293-SU-232-03, and CEF-293-DU13 were analyzed at 5X, 10X, and 10X dilutions, respectively.

The surrogate recovery of C39N (nonatriacontane) fell below the lower quality control limit for all environmental samples, the laboratory control sample, matrix spike/matrix spike duplicate samples, and method blank. Positive and nondetected results in the environmental samples were qualified as estimated, J, and, UJ.

ADDITIONAL COMMENTS

Positive results below the reporting limit were qualified as estimated, J, due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the NFESC guidelines "Navy IRCDQM" (September 1999). The text of this report has been formulated to address only those problems affecting data quality.

"I attest that the data referenced herein was validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Seth C. Staffen

Environmental Scientist/Data Validator
Tetra Tech, NUS

Joseph A. Samchuck

Data Validation Quality Assurance Officer
Tetra Tech, NUS

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A	=	Lab Blank Contamination
B	=	Field Blank Contamination
C	=	Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D	=	MS/MSD Noncompliance
E	=	LCS/LCSD Noncompliance
F	=	Lab Duplicate Imprecision
G	=	Field Duplicate Imprecision
H	=	Holding Time Exceedance
I	=	ICP Serial Dilution Noncompliance
J	=	GFAA PDS - GFAA MSA's $r < 0.995$
K	=	ICP Interference - include ICSAB % R's
L	=	Instrument Calibration Range Exceedance
M	=	Sample Preservation
N	=	Internal Standard Noncompliance
N01	=	Internal Standard Noncompliance Dioxins
N02	=	Recovery Standard Noncompliance Dioxins
N03	=	Clean-up Standard Noncompliance Dioxins
O	=	Poor Instrument Performance (i.e., base-time drifting)
P	=	Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q	=	Other problems (can encompass a number of issues)
R	=	Surrogates Recovery Noncompliance
S	=	Pesticide/PCB Resolution
T	=	% Breakdown Noncompliance for DDT and Endrin
U	=	Pest/PCD% between columns for positive results
V	=	Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W	=	EMPC result
X	=	Signal to noise response drop
Y	=	Percent solids <30%
Z	=	Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: 211163 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-234-06
samp_date	11/26/2002
lab_id	211163-002-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.2	U	
1,1,2,2-TETRACHLOROETHANE	6.2	U	
1,1,2-TRICHLOROETHANE	6.2	U	
1,1-DICHLOROETHANE	6.2	U	
1,1-DICHLOROETHENE	6.2	U	
1,2-DICHLOROETHANE	6.2	U	
1,2-DICHLOROPROPANE	6.2	U	
2-BUTANONE	6.5	J	CP
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	37	U	A
BENZENE	6.2	U	
BROMODICHLOROMETHANE	6.2	U	
BROMOFORM	6.2	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	6.2	U	
CARBON TETRACHLORIDE	6.2	U	
CHLOROBENZENE	6.2	U	
CHLORODIBROMOMETHANE	6.2	U	
CHLOROETHANE	12	U	
CHLOROFORM	6.2	U	
CHLOROMETHANE	2.6	J	P
CIS-1,2-DICHLOROETHENE	6.2	U	
CIS-1,3-DICHLOROPROPENE	6.2	U	
ETHYLBENZENE	6.2	U	
M+P-XYLENES	6.2	U	
METHYL TERT-BUTYL ETHER	6.2	U	
METHYLENE CHLORIDE	15	U	A
O-XYLENE	6.2	U	
STYRENE	6.2	U	

nsample	CEF-293-SU-234-06
samp_date	11/26/2002
lab_id	211163-002-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.2	U	
TOLUENE	6.2	U	
TRANS-1,2-DICHLOROETHENE	6.2	U	
TRANS-1,3-DICHLOROPROPENE	6.2	U	
TRICHLOROETHENE	6.2	U	A
VINYL CHLORIDE	12	U	

PROJ_NO: 0039

SDG: 211163 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-DU13
samp_date	11/26/2002
lab_id	211163-006-006-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	CEF-293-SU-232-03

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS		J	R

nsample	CEF-293-SS-231-02
samp_date	11/26/2002
lab_id	211163-004-004-1/1
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS		UJ	R

nsample	CEF-293-SU-232-03
samp_date	11/26/2002
lab_id	211163-005-005-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS		J	R

PROJ_NO: 0039

SDG: 211163 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-233-03
samp_date	11/26/2002
lab_id	211163-003-003-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS		J	R

nsample	CEF-293-SU-234-04
samp_date	11/26/2002
lab_id	211163-001-001-1/1
qc_type	NM
units	MG/KG
Pct_Solids	80
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS		J	PR

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU-234-06

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211163
Case No.		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-002-007-1/3
Sample Volume :	4.65	Lab File ID :	F33865.D
Level	Low	Date Received	11/27/2002
% Moisture: not dec	13.24	Date Analyzed	12/02/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U
79-00-5	1,1,2-Trichloroethane	6.2	U
75-34-3	1,1-Dichloroethane	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U
107-06-2	1,2-Dichloroethane	6.2	U
78-87-5	1,2-Dichloropropane	6.2	U
78-93-3	2-Butanone	6.5	J
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	37	B
71-43-2	Benzene	6.2	U
75-27-4	Bromodichloromethane	6.2	U
75-25-2	Bromoform	6.2	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	6.2	U
56-23-5	Carbon Tetrachloride	6.2	U
108-90-7	Chlorobenzene	6.2	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	6.2	U
74-87-3	Chloromethane	2.6	J
124-48-1	Dibromochloromethane	6.2	U
100-41-4	Ethylbenzene	6.2	U
75-09-2	Methylene Chloride	15	B
100-42-5	Styrene	6.2	U
127-18-4	Tetrachloroethylene	6.2	U
108-88-3	Toluene	6.2	U
79-01-6	Trichloroethene	1.9	JB
75-01-4	Vinyl Chloride	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU-234-06

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211163
Case No.		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-002-007-1/3
Sample Volume :	4.65	Lab File ID :	F33865.D
Level	Low	Date Received	11/27/2002
% Moisture: not dec	13.24	Date Analyzed	12/02/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.2	U
10061-01-5	cis-1,3-Dichloropropene	6.2	U
136777-61-2	m,p-Xylenes	6.2	U
95-47-6	o-Xylene	6.2	U
1634-04-4	tert-butyl methyl ether	6.2	U
156-60-5	trans-1,2-dichloroethene	6.2	U
10061-02-6	trans-1,3-dichloropropene	6.2	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU13 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-006-006-1/1
Sample Volume :	30	Lab File ID :	M12440.D
% Moisture:	14.35	Date Received	11/27/2002
Extraction:	SW3550C	Date Extracted:	12/03/2002
Extract Volume:	2 mL	Date Analyzed	12/09/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	1300	

MP
12-10-02

FORM I FL_PRO

2020

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SS-231-02

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-004-004-1/1
Sample Volume :	30	Lab File ID :	M12438.D
% Moisture:	14.28	Date Received	11/27/2002
Extraction:	SW3550C	Date Extracted:	12/03/2002
Extract Volume:	2 mL	Date Analyzed	12/09/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.6	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU-232-03 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-005-005-1/1
Sample Volume :	30	Lab File ID :	M12439.D
% Moisture:	16.49	Date Received	11/27/2002
Extraction:	SW3550C	Date Extracted:	12/03/2002
Extract Volume:	2 mL	Date Analyzed	12/09/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	1600	

MP 12-10-02

FORM I FL_PRO

2017

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU-233-03 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-003-003-1/1
Sample Volume :	30	Lab File ID :	M12437.D
% Moisture:	22.45	Date Received	11/27/2002
Extraction:	SW3550C	Date Extracted:	12/03/2002
Extract Volume:	2 mL	Date Analyzed	12/09/2002
Injection Volume :	2 µL	Dilution Factor :	5
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	2400	

MP
12-10-02

FORM I FL_PRO

2011

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU-234-04

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211163
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211163-001-001-1/1
Sample Volume :	30	Lab File ID :	M12441.D
% Moisture:	19.87	Date Received	11/27/2002
Extraction:	SW3550C	Date Extracted:	12/03/2002
Extract Volume:	2 mL	Date Analyzed	12/09/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	3.8	J

12-10-02

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**MARCH 19, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/PAH/TPH CTO 078, NAS CECIL FIELD SDG 211058**		
SAMPLES:	6/Solid		

CEF-293-SU-209-06*	CEF-293-SU-210-06*	CEF-293-SU-211-06*
CEF-293-SU-223-01	CEF-293-SU-225-04	CEF-293-SU-226-04

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG 211058 consists of six (6) environmental soil samples. All samples were analyzed for polynuclear aromatic hydrocarbons (PAH). The samples denoted with an asterisk (*) were also analyzed for volatile organic compounds (VOC) and total petroleum hydrocarbons (TPH). Sample CEF-293-SU-209-06 was also analyzed for all the aforementioned fractions after an SPLP was performed on it.

The samples were collected by TetraTech NUS on November 8, 2002 and analyzed by GPL Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8270C and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial and continuing calibration
• Laboratory method and field quality control blank results
• Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

The following compound was detected in the non-SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	9.2 µg/kg	92 µg/kg

Sample aliquot, percent solids, and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The following compound was detected in the SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	110 µg/L	1100 µg/L
Acetone	90 µg/L	900 µg/L

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The result for acetone in sample CEF-293-SU-209-06 exceeded the linear calibration range of the instrument for acetone. The result for acetone in the non-SPLP analysis of sample CEF-293-SU-209-06 was qualified as estimated. The sample was not re-analyzed.

The SPLP initial calibration on November 19 was below the 0.05 relative response factor (RRF) quality control criteria for acetone and 2-butanone. The non-detected SPLP result for 2-butanone was rejected (UR). No qualifications were assigned to acetone on this basis because the result was qualified for method blank contamination.

The SPLP continuing calibration on December 4 at 13:23 was below the 0.05 RRF quality control criteria for 2-butanone. The non-detected SPLP result for 2-butanone was rejected (UR).

The SPLP (ZHE) extraction performed on November 27 exceeded the 14 day holding time. All results not previously rejected were qualified as estimated (J, UJ). The laboratory was requested to hold the samples until the initial data was reviewed before beginning leaching. Thus the laboratory was not at fault for holding time exceedance.

Semivolatiles

Samples CEF-293-SU-209-06 and CEF-293-SU-211-06 were analyzed at dilutions. The samples were not analyzed un-diluted. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples.

All surrogates were outside the laboratory's percent recovery quality control criteria in samples CEF-293-SU-209-06 and CEF-293-SU-211-06. No qualifications were made on this basis because the samples were analyzed with at least a 10X dilution. No positive results were reported in sample CEF-293-SU-211-06.

The SPLP extraction performed on November 25 exceeded the 14 day holding time. All results were qualified as estimated (J, UJ). The laboratory was requested to hold the samples until the initial data was reviewed before beginning leaching. Thus the laboratory was not at fault for holding time exceedance.

TPH

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limt.

The SPLP extraction performed on November 25 exceeded the 14 day holding time. All results were qualified as estimated (J, UJ). The laboratory was requested to hold the samples until the initial data was

reviewed before beginning leaching. Thus the laboratory was not at fault for holding time exceedance.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were assigned based on calibration non-compliances and method blank contamination.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Bernard F Spada III

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: 211058 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-016-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	100	UJ	H
1,1,2,2-TETRACHLOROETHANE	100	UJ	H
1,1,2-TRICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHENE	100	UJ	H
1,2-DICHLOROETHANE	100	UJ	H
1,2-DICHLOROPROPANE	100	UJ	H
2-BUTANONE	100	UR	C
2-HEXANONE	100	UJ	H
4-METHYL-2-PENTANONE	100	UJ	H
ACETONE	140	UJ	AH
BENZENE	100	UJ	H
BROMODICHLOROMETHANE	100	UJ	H
BROMOFORM	100	UJ	H
BROMOMETHANE	100	UJ	H
CARBON DISULFIDE	100	UJ	H
CARBON TETRACHLORIDE	100	UJ	H
CHLOROBENZENE	100	UJ	H
CHLORODIBROMOMETHANE	100	UJ	H
CHLOROETHANE	100	UJ	H
CHLOROFORM	100	UJ	H
CHLOROMETHANE	100	UJ	H
CIS-1,2-DICHLOROETHENE	100	UJ	H
CIS-1,3-DICHLOROPROPENE	100	UJ	H
ETHYLBENZENE	100	UJ	H
M+P-XYLENES	100	UJ	H
METHYL TERT-BUTYL ETHER	100	UJ	H
METHYLENE CHLORIDE	220	UJ	AH
O-XYLENE	100	UJ	H
STYRENE	100	UJ	H

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-016-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	100	UJ	H
TOLUENE	100	UJ	H
TRANS-1,2-DICHLOROETHENE	100	UJ	H
TRANS-1,3-DICHLOROPROPENE	100	UJ	H
TRICHLOROETHENE	100	UJ	H
VINYL CHLORIDE	100	UJ	H

PROJ_NO: 0039

SDG: 211058 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.5	U	
1,1,2,2-TETRACHLOROETHANE	6.5	U	
1,1,2-TRICHLOROETHANE	6.5	U	
1,1-DICHLOROETHANE	6.5	U	
1,1-DICHLOROETHENE	6.5	U	
1,2-DICHLOROETHANE	6.5	U	
1,2-DICHLOROPROPANE	6.5	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	380	J	L
BENZENE	6.5	U	
BROMODICHLOROMETHANE	6.5	U	
BROMOFORM	6.5	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6.5	U	
CARBON TETRACHLORIDE	6.5	U	
CHLOROBENZENE	6.5	U	
CHLORODIBROMOMETHANE	6.5	U	
CHLOROETHANE	13	U	
CHLOROFORM	6.5	U	
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6.5	U	
CIS-1,3-DICHLOROPROPENE	6.5	U	
ETHYLBENZENE	6.5	U	
M+P-XYLENES	54		
METHYL TERT-BUTYL ETHER	6.5	U	
METHYLENE CHLORIDE	46	U	A
O-XYLENE	74		
STYRENE	6.5	U	

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.5	U	
TOLUENE	2.4	J	P
TRANS-1,2-DICHLOROETHENE	6.5	U	
TRANS-1,3-DICHLOROPROPENE	6.5	U	
TRICHLOROETHENE	6.5	U	
VINYL CHLORIDE	13	U	

nsample	CEF-293-SU-210-06
samp_date	11/8/2002
lab_id	211058-004-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.4	U	
1,1,2,2-TETRACHLOROETHANE	6.4	U	
1,1,2-TRICHLOROETHANE	6.4	U	
1,1-DICHLOROETHANE	6.4	U	
1,1-DICHLOROETHENE	6.4	U	
1,2-DICHLOROETHANE	6.4	U	
1,2-DICHLOROPROPANE	6.4	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	9.3	J	P
BENZENE	6.4	U	
BROMODICHLOROMETHANE	6.4	U	
BROMOFORM	6.4	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6.4	U	
CARBON TETRACHLORIDE	6.4	U	
CHLOROBENZENE	6.4	U	
CHLORODIBROMOMETHANE	6.4	U	
CHLOROETHANE	13	U	
CHLOROFORM	3.3	J	P
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6.4	U	
CIS-1,3-DICHLOROPROPENE	6.4	U	
ETHYLBENZENE	6.4	U	
M+P-XYLENES	6.4	U	
METHYL TERT-BUTYL ETHER	6.4	U	
METHYLENE CHLORIDE	48	U	A
O-XYLENE	6.4	U	
STYRENE	6.4	U	

PROJ_NO: 0039

SDG: 211058 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-210-06
samp_date	11/8/2002
lab_id	211058-004-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.4	U	
TOLUENE	3.8	J	P
TRANS-1,2-DICHLOROETHENE	6.4	U	
TRANS-1,3-DICHLOROPROPENE	6.4	U	
TRICHLOROETHENE	6.4	U	
VINYL CHLORIDE	13	U	

nsample	CEF-293-SU-211-06
samp_date	11/8/2002
lab_id	211058-005-010-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	76		
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	13	U	
CHLOROFORM	2.9	J	P
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
M+P-XYLENES	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	47	U	A
O-XYLENE	6.3	U	
STYRENE	6.3	U	

nsample	CEF-293-SU-211-06
samp_date	11/8/2002
lab_id	211058-005-010-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.3	U	
TOLUENE	4.8	J	P
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	13	U	

PROJ_NO: 0039

SDG: 211058 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-209-06	nsample	CEF-293-SU-210-06	nsample	CEF-293-SU-211-06
samp_date	11/8/2002	samp_date	11/8/2002	samp_date	11/8/2002
lab_id	211058-006-006-1/1DL	lab_id	211058-004-004-1/1	lab_id	211058-005-005-1/1DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	85.0	Pct_Solids	86.0	Pct_Solids	84.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	15000		
2-METHYLNAPHTHALENE	23000		
ACENAPHTHENE	39	U	
ACENAPHTHYLENE	39	U	
ANTHRACENE	39	U	
BENZO(A)ANTHRACENE	39	U	
BENZO(A)PYRENE	39	U	
BENZO(B)FLUORANTHENE	39	U	
BENZO(G,H,I)PERYLENE	39	U	
BENZO(K)FLUORANTHENE	39	U	
CHRYSENE	39	U	
DIBENZO(A,H)ANTHRACENE	39	U	
FLUORANTHENE	39	U	
FLUORENE	39	U	
INDENO(1,2,3-CD)PYRENE	39	U	
NAPHTHALENE	7400		
PHENANTHRENE	39	U	
PYRENE	39	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	37		
2-METHYLNAPHTHALENE	50		
ACENAPHTHENE	3.9	U	
ACENAPHTHYLENE	3.9	U	
ANTHRACENE	3.9	U	
BENZO(A)ANTHRACENE	3.9	U	
BENZO(A)PYRENE	3.9	U	
BENZO(B)FLUORANTHENE	3.9	U	
BENZO(G,H,I)PERYLENE	3.9	U	
BENZO(K)FLUORANTHENE	3.9	U	
CHRYSENE	3.9	U	
DIBENZO(A,H)ANTHRACENE	3.9	U	
FLUORANTHENE	3.9	U	
FLUORENE	3.9	U	
INDENO(1,2,3-CD)PYRENE	3.9	U	
NAPHTHALENE	10		
PHENANTHRENE	3.9	U	
PYRENE	3.9	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	40	U	
2-METHYLNAPHTHALENE	40	U	
ACENAPHTHENE	40	U	
ACENAPHTHYLENE	40	U	
ANTHRACENE	40	U	
BENZO(A)ANTHRACENE	40	U	
BENZO(A)PYRENE	40	U	
BENZO(B)FLUORANTHENE	40	U	
BENZO(G,H,I)PERYLENE	40	U	
BENZO(K)FLUORANTHENE	40	U	
CHRYSENE	40	U	
DIBENZO(A,H)ANTHRACENE	40	U	
FLUORANTHENE	40	U	
FLUORENE	40	U	
INDENO(1,2,3-CD)PYRENE	40	U	
NAPHTHALENE	40	U	
PHENANTHRENE	40	U	
PYRENE	40	U	

PROJ_NO: 0039

SDG: 211058 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-223-01	nsample	CEF-293-SU-225-04	nsample	CEF-293-SU-226-04
samp_date	11/8/2002	samp_date	11/8/2002	samp_date	11/8/2002
lab_id	211058-003-003-1/1	lab_id	211058-002-002-1/1	lab_id	211058-001-001-1/1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	97.0	Pct_Solids	87.0	Pct_Solids	88.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	3.4	U	
2-METHYLNAPHTHALENE	3.4	U	
ACENAPHTHENE	3.4	U	
ACENAPHTHYLENE	3.4	U	
ANTHRACENE	3.4	U	
BENZO(A)ANTHRACENE	3.4	U	
BENZO(A)PYRENE	3.4	U	
BENZO(B)FLUORANTHENE	3.4	U	
BENZO(G,H,I)PERYLENE	3.4	U	
BENZO(K)FLUORANTHENE	3.4	U	
CHRYSENE	3.4	U	
DIBENZO(A,H)ANTHRACENE	3.4	U	
FLUORANTHENE	3.4	U	
FLUORENE	3.4	U	
INDENO(1,2,3-CD)PYRENE	3.4	U	
NAPHTHALENE	3.4	U	
PHENANTHRENE	3.4	U	
PYRENE	3.4	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	3.8	U	
2-METHYLNAPHTHALENE	3.8	U	
ACENAPHTHENE	3.8	U	
ACENAPHTHYLENE	3.8	U	
ANTHRACENE	3.8	U	
BENZO(A)ANTHRACENE	3.8	U	
BENZO(A)PYRENE	3.8	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(G,H,I)PERYLENE	3.8	U	
BENZO(K)FLUORANTHENE	3.8	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	3.8	U	
FLUORANTHENE	3.8	U	
FLUORENE	3.8	U	
INDENO(1,2,3-CD)PYRENE	3.8	U	
NAPHTHALENE	3.8	U	
PHENANTHRENE	3.8	U	
PYRENE	3.8	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	9.9		
2-METHYLNAPHTHALENE	14		
ACENAPHTHENE	3.8	U	
ACENAPHTHYLENE	3.8	U	
ANTHRACENE	3.8	U	
BENZO(A)ANTHRACENE	3.8	U	
BENZO(A)PYRENE	3.8	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(G,H,I)PERYLENE	3.8	U	
BENZO(K)FLUORANTHENE	3.8	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	3.8	U	
FLUORANTHENE	3.8	U	
FLUORENE	3.8	U	
INDENO(1,2,3-CD)PYRENE	3.8	U	
NAPHTHALENE	5.7		
PHENANTHRENE	3.8	U	
PYRENE	3.8	U	

PROJ_NO: 0039

SDG: 211058 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-006-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.5	UJ	H
2-METHYLNAPHTHALENE	16.6	J	H
ACENAPHTHENE	0.5	UJ	H
ACENAPHTHYLENE	0.5	UJ	H
ANTHRACENE	0.5	UJ	H
BENZO(A)ANTHRACENE	0.5	UJ	H
BENZO(A)PYRENE	0.5	UJ	H
BENZO(B)FLUORANTHENE	0.5	UJ	H
BENZO(G,H,I)PERYLENE	0.5	UJ	H
BENZO(K)FLUORANTHENE	0.5	UJ	H
CHRYSENE	0.5	UJ	H
DIBENZO(A,H)ANTHRACENE	0.5	UJ	H
FLUORANTHENE	0.5	UJ	H
FLUORENE	0.5	UJ	H
INDENO(1,2,3-CD)PYRENE	0.5	UJ	H
NAPHTHALENE	12.7	J	H
PHENANTHRENE	0.5	UJ	H
PYRENE	0.5	UJ	H

PROJ_NO: 0039

SDG: 211058 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-006-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6100		

nsample	CEF-293-SU-210-06
samp_date	11/8/2002
lab_id	211058-004-004-1/1
qc_type	NM
units	MG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1.5	J	P

nsample	CEF-293-SU-211-06
samp_date	11/8/2002
lab_id	211058-005-005-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	5000		

PROJ_NO: 0039

SDG: 211058 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-209-06
samp_date	11/8/2002
lab_id	211058-006-016-1/1
qc_type	NM
units	MG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	0.8	UJ	H

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211058
Case No.		SDG NO :	211058
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211058-006-016-1/1
Sample Volume :	.5	Lab File ID :	F33912.D
Level	Low	Date Received	11/09/2002
% Moisture: not dec	15.44	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
78-93-3	2-Butanone	100	U
591-78-6	2-Hexanone	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	140	
71-43-2	Benzene	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	100	U
100-41-4	Ethylbenzene	100	U
75-09-2	Methylene Chloride	220	
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211058
Case No.		SDG NO :	211058
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211058-006-016-1/1
Sample Volume :	.5	Lab File ID :	F33912.D
Level	Low	Date Received	11/09/2002
% Moisture: not dec	15.44	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylenes	100	U
95-47-6	o-Xylene	100	U
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-006-013-1/3
Sample Volume :	4.54	Lab File ID :	A37113.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	15.44	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	6.5	U
79-00-5	1,1,2-Trichloroethane	6.5	U
75-34-3	1,1-Dichloroethane	6.5	U
75-35-4	1,1-Dichloroethene	6.5	U
107-06-2	1,2-Dichloroethane	6.5	U
78-87-5	1,2-Dichloropropane	6.5	U
78-93-3	2-Butanone	13	U
591-78-6	2-Hexanone	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
67-64-1	Acetone	380	E
71-43-2	Benzene	6.5	U
75-27-4	Bromodichloromethane	6.5	U
75-25-2	Bromoform	6.5	U
74-83-9	Bromomethane	13	U
75-15-0	Carbon Disulfide	6.5	U
56-23-5	Carbon Tetrachloride	6.5	U
108-90-7	Chlorobenzene	6.5	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	6.5	U
74-87-3	Chloromethane	13	U
124-48-1	Dibromochloromethane	6.5	U
100-41-4	Ethylbenzene	6.5	U
75-09-2	Methylene Chloride	46	B
100-42-5	Styrene	6.5	U
127-18-4	Tetrachloroethylene	6.5	U
108-88-3	Toluene	2.4	J
79-01-6	Trichloroethene	6.5	U
75-01-4	Vinyl Chloride	13	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-006-013-1/3
Sample Volume :	4.54	Lab File ID :	A37113.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	15.44	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.5	U
10061-01-5	cis-1,3-Dichloropropene	6.5	U
136777-61-2	m,p-Xylenes	54	
95-47-6	o-Xylene	74	
1634-04-4	tert-butyl methyl ether	6.5	U
156-60-5	trans-1,2-dichloroethene	6.5	U
10061-02-6	trans-1,3-dichloropropene	6.5	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-004-007-1/3
Sample Volume :	4.53	Lab File ID :	A37111.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	14.26	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.4	U
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U
79-00-5	1,1,2-Trichloroethane	6.4	U
75-34-3	1,1-Dichloroethane	6.4	U
75-35-4	1,1-Dichloroethene	6.4	U
107-06-2	1,2-Dichloroethane	6.4	U
78-87-5	1,2-Dichloropropane	6.4	U
78-93-3	2-Butanone	13	U
591-78-6	2-Hexanone	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
67-64-1	Acetone	9.3	J
71-43-2	Benzene	6.4	U
75-27-4	Bromodichloromethane	6.4	U
75-25-2	Bromoform	6.4	U
74-83-9	Bromomethane	13	U
75-15-0	Carbon Disulfide	6.4	U
56-23-5	Carbon Tetrachloride	6.4	U
108-90-7	Chlorobenzene	6.4	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	3.3	J
74-87-3	Chloromethane	13	U
124-48-1	Dibromochloromethane	6.4	U
100-41-4	Ethylbenzene	6.4	U
75-09-2	Methylene Chloride	48	B
100-42-5	Styrene	6.4	U
127-18-4	Tetrachloroethylene	6.4	U
108-88-3	Toluene	3.8	J
79-01-6	Trichloroethene	6.4	U
75-01-4	Vinyl Chloride	13	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-004-007-1/3
Sample Volume :	4.53	Lab File ID :	A37111.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	14.26	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.4	U
10061-01-5	cis-1,3-Dichloropropene	6.4	U
136777-61-2	m,p-Xylenes	6.4	U
95-47-6	o-Xylene	6.4	U
1634-04-4	tert-butyl methyl ether	6.4	U
156-60-5	trans-1,2-dichloroethene	6.4	U
10061-02-6	trans-1,3-dichloropropene	6.4	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-005-010-1/3
Sample Volume :	4.7	Lab File ID :	A37112.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	16	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
78-93-3	2-Butanone	13	U
591-78-6	2-Hexanone	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
67-64-1	Acetone	76	
71-43-2	Benzene	6.3	U
75-27-4	Bromodichloromethane	6.3	U
75-25-2	Bromoform	6.3	U
74-83-9	Bromomethane	13	U
75-15-0	Carbon Disulfide	6.3	U
56-23-5	Carbon Tetrachloride	6.3	U
108-90-7	Chlorobenzene	6.3	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	2.9	J
74-87-3	Chloromethane	13	U
124-48-1	Dibromochloromethane	6.3	U
100-41-4	Ethylbenzene	6.3	U
75-09-2	Methylene Chloride	47	B
100-42-5	Styrene	6.3	U
127-18-4	Tetrachloroethylene	6.3	U
108-88-3	Toluene	4.8	J
79-01-6	Trichloroethene	6.3	U
75-01-4	Vinyl Chloride	13	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211058
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-005-010-1/3
Sample Volume :	4.7	Lab File ID :	A37112.D
Level :	Low	Date Received :	11/09/2002
% Moisture: not dec	16	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
136777-61-2	m,p-Xylenes	6.3	U
95-47-6	o-Xylene	6.3	U
1634-04-4	tert-butyl methyl ether	6.3	U
156-60-5	trans-1,2-dichloroethene	6.3	U
10061-02-6	trans-1,3-dichloropropene	6.3	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU20906

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211058-006-016-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34433.D

Level: (low/med) LOW Date Received: 11/09/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/12/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
91-20-3	Naphthalene	12.70	
91-57-6	2-Methylnaphthalene	16.60	
90-12-0	1-Methylnaphthalene	0.50	U
208-96-8	Acenaphthylene	0.50	U
83-32-9	Acenaphthene	0.50	U
86-73-7	Fluorene	0.50	U
85-01-8	Phenanthrene	0.50	U
120-12-7	Anthracene	0.50	U
206-44-0	Fluoranthene	0.50	U
129-00-0	Pyrene	0.50	U
56-55-3	Benzo[a]anthracene	0.50	U
218-01-9	Chrysene	0.50	U
205-99-2	Benzo[b]fluoranthene	0.50	U
207-08-9	Benzo[k]fluoranthene	0.50	U
50-32-8	Benzo[a]pyrene	0.50	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U
53-70-3	Dibenz[a,h]anthracene	0.50	U
191-24-2	Benzo[g,h,i]perylene	0.50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-006-006-1/1
Sample Volume :	30	Lab File ID :	C34240.D
% Moisture:	15.44	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	12000	E
91-57-6	2-Methylnaphthalene	18000	E
83-32-9	Acenaphthene	39	U
208-96-8	Acenaphthylene	39	U
120-12-7	Anthracene	39	U
56-55-3	Benzo(a)anthracene	39	U
50-32-8	Benzo(a)pyrene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
191-24-2	Benzo(g,h,i)perylene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
218-01-9	Chrysene	39	U
53-70-3	Dibenz(a,h)Anthracene	39	U
206-44-0	Fluoranthene	39	U
86-73-7	Fluorene	39	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	39	U
91-20-3	Naphthalene	7400	
85-01-8	Phenanthrene	39	U
129-00-0	Pyrene	39	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-006-006-1/1
Sample Volume :	30	Lab File ID :	C34246.D
% Moisture:	15.44	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	15000	
91-57-6	2-Methylnaphthalene	23000	
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	390	U
120-12-7	Anthracene	390	U
56-55-3	Benzo(a)anthracene	390	U
50-32-8	Benzo(a)pyrene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
218-01-9	Chrysene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
206-44-0	Fluoranthene	390	U
86-73-7	Fluorene	390	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	390	U
91-20-3	Naphthalene	8800	
85-01-8	Phenanthrene	390	U
129-00-0	Pyrene	390	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-004-004-1/1
Sample Volume :	30	Lab File ID :	C34218.D
% Moisture:	14.26	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/18/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	37	
91-57-6	2-Methylnaphthalene	50	
83-32-9	Acenaphthene	3.9	U
208-96-8	Acenaphthylene	3.9	U
120-12-7	Anthracene	3.9	U
56-55-3	Benzo(a)anthracene	3.9	U
50-32-8	Benzo(a)pyrene	3.9	U
205-99-2	Benzo(b)fluoranthene	3.9	U
191-24-2	Benzo(g,h,i)perylene	3.9	U
207-08-9	Benzo(k)fluoranthene	3.9	U
218-01-9	Chrysene	3.9	U
53-70-3	Dibenz(a,h)Anthracene	3.9	U
206-44-0	Fluoranthene	3.9	U
86-73-7	Fluorene	3.9	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.9	U
91-20-3	Naphthalene	10	
85-01-8	Phenanthrene	3.9	U
129-00-0	Pyrene	3.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21106DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-005-005-1/1
Sample Volume :	30	Lab File ID :	C34239.D
% Moisture:	16	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	40	U
91-57-6	2-Methylnaphthalene	40	U
83-32-9	Acenaphthene	40	U
208-96-8	Acenaphthylene	40	U
120-12-7	Anthracene	40	U
56-55-3	Benzo(a)anthracene	40	U
50-32-8	Benzo(a)pyrene	40	U
205-99-2	Benzo(b)fluoranthene	40	U
191-24-2	Benzo(g,h,i)perylene	40	U
207-08-9	Benzo(k)fluoranthene	40	U
218-01-9	Chrysene	40	U
53-70-3	Dibenz(a,h)Anthracene	40	U
206-44-0	Fluoranthene	40	U
86-73-7	Fluorene	40	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	40	U
91-20-3	Naphthalene	40	U
85-01-8	Phenanthrene	40	U
129-00-0	Pyrene	40	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22301

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-003-003-1/1
Sample Volume :	30	Lab File ID :	C34223.D
% Moisture:	2.8	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/18/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	3.4	U
91-57-6	2-Methylnaphthalene	3.4	U
83-32-9	Acenaphthene	3.4	U
208-96-8	Acenaphthylene	3.4	U
120-12-7	Anthracene	3.4	U
56-55-3	Benzo(a)anthracene	3.4	U
50-32-8	Benzo(a)pyrene	3.4	U
205-99-2	Benzo(b)fluoranthene	3.4	U
191-24-2	Benzo(g,h,i)perylene	3.4	U
207-08-9	Benzo(k)fluoranthene	3.4	U
218-01-9	Chrysene	3.4	U
53-70-3	Dibenz(a,h)Anthracene	3.4	U
206-44-0	Fluoranthene	3.4	U
86-73-7	Fluorene	3.4	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.4	U
91-20-3	Naphthalene	3.4	U
85-01-8	Phenanthrene	3.4	U
129-00-0	Pyrene	3.4	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22504

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-002-002-1/1
Sample Volume :	30	Lab File ID :	C34222.D
% Moisture:	12.54	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/18/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	3.8	U
91-57-6	2-Methylnaphthalene	3.8	U
83-32-9	Acenaphthene	3.8	U
208-96-8	Acenaphthylene	3.8	U
120-12-7	Anthracene	3.8	U
56-55-3	Benzo(a)anthracene	3.8	U
50-32-8	Benzo(a)pyrene	3.8	U
205-99-2	Benzo(b)fluoranthene	3.8	U
191-24-2	Benzo(g,h,i)perylene	3.8	U
207-08-9	Benzo(k)fluoranthene	3.8	U
218-01-9	Chrysene	3.8	U
53-70-3	Dibenz(a,h)Anthracene	3.8	U
206-44-0	Fluoranthene	3.8	U
86-73-7	Fluorene	3.8	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.8	U
91-20-3	Naphthalene	3.8	U
85-01-8	Phenanthrene	3.8	U
129-00-0	Pyrene	3.8	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22604

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-001-001-1/1
Sample Volume :	30	Lab File ID :	C34221.D
% Moisture:	12.3	Date Received	11/09/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/18/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	9.9	
91-57-6	2-Methylnaphthalene	14	
83-32-9	Acenaphthene	3.8	U
208-96-8	Acenaphthylene	3.8	U
120-12-7	Anthracene	3.8	U
56-55-3	Benzo(a)anthracene	3.8	U
50-32-8	Benzo(a)pyrene	3.8	U
205-99-2	Benzo(b)fluoranthene	3.8	U
191-24-2	Benzo(g,h,i)perylene	3.8	U
207-08-9	Benzo(k)fluoranthene	3.8	U
218-01-9	Chrysene	3.8	U
53-70-3	Dibenz(a,h)Anthracene	3.8	U
206-44-0	Fluoranthene	3.8	U
86-73-7	Fluorene	3.8	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.8	U
91-20-3	Naphthalene	5.7	
85-01-8	Phenanthrene	3.8	U
129-00-0	Pyrene	3.8	U

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20906 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-006-006-1/1
Sample Volume :	30	Lab File ID :	M12126.D
% Moisture:	15.44	Date Received	11/09/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6100	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-004-004-1/1
Sample Volume :	30	Lab File ID :	M12106.D
% Moisture:	14.26	Date Received	11/09/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/13/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	1.5	J

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21106 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211058
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211058-005-005-1/1
Sample Volume :	30	Lab File ID :	M12125.D
% Moisture:	16	Date Received	11/09/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	5000	

1B
TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU20906

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211058 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211058-006-016-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12329.D

Level: (low/med) LOW Date Received: 11/09/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**APRIL 3, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/PAH/TPH**
CTO 078, NAS CECIL FIELD
SDG 211059

SAMPLES: 6/Solid

CEF-293-DU11*	CEF-293-SU-206-06	CEF-293-SU-213-06*
CEF-293-SU-214-06*	CEF-293-SU-215-06*	CEF-293-SU-230-04

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG 211059 consists of five (5) environmental soil samples and one (1) field duplicate. All samples were analyzed for total petroleum hydrocarbons (TPH). The samples denoted with an asterisk (*) were also analyzed for volatile organic compounds (VOC) and polynuclear aromatic hydrocarbons (PAH). Samples CEF-293-SU-213-06 and CEF-293-SU-214-06 were also analyzed for all the aforementioned fractions after an SPLP was performed on them. The field duplicate pair included in this SDG is CEF-293-DU11 and CEF-293-SU-213-06.

The samples were collected by TetraTech NUS on November 9, 2002 and analyzed by GPL Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8270C and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- Holding times
- Initial and continuing calibration
- Laboratory method and field quality control blank results
- Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

The following compound was detected in the non-SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	7.1 µg/kg	71 µg/kg

Sample aliquot, percent solids, and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The following compound was detected in the SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	110 µg/L	1100 µg/L
Acetone	90 µg/L	900 µg/L

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The SPLP extraction was performed outside of the 14-day holding time. The extraction was performed 18 days after collection. All results for the SPLP sample were qualified as estimated (J, UJ).

The surrogate toluene-d8 exceeded the percent recovery quality control criteria in samples CEF-293-DU11 and CEF-293-SU-213-06. The laboratory did not re-analyze the samples. No qualifications were made on this basis.

The SPLP initial calibration on November 19 was below the 0.05 relative response factor (RRF) quality control criteria for acetone and 2-butanone. The non-detected SPLP results for 2-butanone and acetone were rejected (UR).

The SPLP continuing calibration on December 4 at 13:23 was below the 0.05 RRF quality control criteria for 2-butanone. The non-detected SPLP results for 2-butanone were rejected (UR).

The SPLP samples were analyzed at a 10X dilution. This accounts for the elevated reporting limits for all non-detected compounds.

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limt.

The results for m+p-xylenes exceeded the 25% relative percent difference (RPD) quality control criteria in the field duplicate pair CEF-293-DU11 and CEF-293-SU-213-06. The results for m+p-xylenes were qualified as estimated (J) in the aforementioned samples.

Samples CEF-293-DU11 and CEF-293-SU-213-06 were analyzed by medium level soil extraction. The associated method blank was not prepared with methanol. A blank spike was not prepared for the medium level analyses. No qualifications were made on this basis.

Samples CEF-293-DU11 and CEF-293-SU-213-06 were analyzed by medium level extraction because the concentration of target analytes exceeded the linear calibration range of the instrument. The positive results for the compounds analyzed via the medium level procedure were incorrectly calculated by the laboratory. The laboratory did not correctly account for the dilution factor, actual sample weight, and percent moisture. The laboratory was requested to re-calculate and resubmit all results reported from the medium level extractions. The laboratory provided the results upon request.

Semivolatiles

Samples CEF-293-DU11, CEF-293-SU-213-06, CEF-293-SU-214-06, and CEF-293-SU-215-06 were analyzed at dilutions. The samples were not analyzed un-diluted. This accounts for the elevated reporting

limits for all non-detected compounds in the aforementioned samples.

All surrogates were outside the laboratory's percent recovery quality control criteria in samples CEF-293-DU11, CEF-293-SU-213-06, CEF-293-SU-214-06, and CEF-293-SU-215-06. No qualifications were made on this basis because the samples were analyzed with at least a 10X dilution.

The Form I's did not match the EDD for the SPLP semivolatile samples. Sample CEF-293-SU-213-06 had a positive results for acenaphthene and fluorene (1.1 and 1.2 ug/L respectively) on the Form I. Sample CEF-293-SU-214-06 had positive results for acenaphthene, fluorene, and phenanthrene (1.2, 1.4, and 1.1 ug/L respectively) on the Form I. All the aforementioned compounds were reported as non-detected in the EDD. The results from the Form I were used for validation.

The results for fluoranthene, naphthalene, phenanthrene, and pyrene exceeded the 25% relative percent difference (RPD) quality control criteria in the field duplicate pair CEF-293-DU11 and CEF-293-SU-213-06. The results for the aforementioned compounds were qualified as estimated (J) in the field duplicate pair.

The SPLP extraction was performed outside of the 14-day holding time. The extraction was performed 16 days after collection. All results for the SPLP sample were qualified as estimated (J, UJ).

TPH

The SPLP extraction was performed outside of the 14-day holding time. The extraction was performed 18 days after collection. All results for the SPLP sample were qualified as estimated (J, UJ).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were assigned based on calibration non-compliances, SPLP leaching holding time exceedances, and method blank contamination.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

TO: M. SPERANZA – PAGE 4
DATE: APRIL 3, 2003

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: 211059 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-005-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	100	UJ	H
1,1,2,2-TETRACHLOROETHANE	100	UJ	H
1,1,2-TRICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHENE	100	UJ	H
1,2-DICHLOROETHANE	100	UJ	H
1,2-DICHLOROPROPANE	100	UJ	H
2-BUTANONE	100	UR	C
2-HEXANONE	100	UJ	H
4-METHYL-2-PENTANONE	100	UJ	H
ACETONE	100	UR	C
BENZENE	100	UJ	H
BROMODICHLOROMETHANE	100	UJ	H
BROMOFORM	100	UJ	H
BROMOMETHANE	100	UJ	H
CARBON DISULFIDE	100	UJ	H
CARBON TETRACHLORIDE	100	UJ	H
CHLOROBENZENE	100	UJ	H
CHLORODIBROMOMETHANE	100	UJ	H
CHLOROETHANE	100	UJ	H
CHLOROFORM	100	UJ	H
CHLOROMETHANE	100	UJ	H
CIS-1,2-DICHLOROETHENE	100	UJ	H
CIS-1,3-DICHLOROPROPENE	100	UJ	H
ETHYLBENZENE	26	J	HP
M+P-XYLENES	63	J	HP
METHYL TERT-BUTYL ETHER	100	UJ	H
METHYLENE CHLORIDE	150	U	A
O-XYLENE	38	J	HP
STYRENE	100	UJ	H

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-005-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	100	UJ	H
TOLUENE	100	UJ	H
TRANS-1,2-DICHLOROETHENE	100	UJ	H
TRANS-1,3-DICHLOROPROPENE	100	UJ	H
TRICHLOROETHENE	100	UJ	H
VINYL CHLORIDE	100	UJ	H

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-006-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	100	UJ	H
1,1,2,2-TETRACHLOROETHANE	100	UJ	H
1,1,2-TRICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHENE	100	UJ	H
1,2-DICHLOROETHANE	100	UJ	H
1,2-DICHLOROPROPANE	100	UJ	H
2-BUTANONE	100	UR	C
2-HEXANONE	100	UJ	H
4-METHYL-2-PENTANONE	100	UJ	H
ACETONE	100	UR	C
BENZENE	100	UJ	H
BROMODICHLOROMETHANE	100	UJ	H
BROMOFORM	100	UJ	H
BROMOMETHANE	100	UJ	H
CARBON DISULFIDE	100	UJ	H
CARBON TETRACHLORIDE	100	UJ	H
CHLOROBENZENE	100	UJ	H
CHLORODIBROMOMETHANE	100	UJ	H
CHLOROETHANE	100	UJ	H
CHLOROFORM	100	UJ	H
CHLOROMETHANE	100	UJ	H
CIS-1,2-DICHLOROETHENE	100	UJ	H
CIS-1,3-DICHLOROPROPENE	100	UJ	H
ETHYLBENZENE	30	J	HP
M+P-XYLENES	93	J	HP
METHYL TERT-BUTYL ETHER	100	UJ	H
METHYLENE CHLORIDE	170	U	A
O-XYLENE	41	J	HP
STYRENE	100	UJ	H

PROJ_NO: 0039

SDG: 211059 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-006-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	100	UJ	H
TOLUENE	25	J	HP
TRANS-1,2-DICHLOROETHENE	100	UJ	H
TRANS-1,3-DICHLOROPROPENE	100	UJ	H
TRICHLOROETHENE	100	UJ	H
VINYL CHLORIDE	100	UJ	H

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU11
samp_date	11/9/2002
lab_id	211059-008-018-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	CEF-293-SU-213-06

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	11	U	
2-HEXANONE	11	U	
4-METHYL-2-PENTANONE	11	U	
ACETONE	18		
BENZENE	5.7	U	
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	11	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	11	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	11	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	7500		
M+P-XYLENES	32000		
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	A
O-XYLENE	9900		
STYRENE	5.7	U	

nsample	CEF-293-DU11
samp_date	11/9/2002
lab_id	211059-008-018-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	CEF-293-SU-213-06

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.7	U	
TOLUENE	5.7	U	
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	11	U	

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-009-1/3
qc_type	NM
units	UG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6	U	
1,1,2,2-TETRACHLOROETHANE	6	U	
1,1,2-TRICHLOROETHANE	6	U	
1,1-DICHLOROETHANE	6	U	
1,1-DICHLOROETHENE	6	U	
1,2-DICHLOROETHANE	6	U	
1,2-DICHLOROPROPANE	6	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	23		
BENZENE	6	U	
BROMODICHLOROMETHANE	6	U	
BROMOFORM	6	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	6	U	
CARBON TETRACHLORIDE	6	U	
CHLOROBENZENE	6	U	
CHLORODIBROMOMETHANE	6	U	
CHLOROETHANE	12	U	
CHLOROFORM	6	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	6	U	
CIS-1,3-DICHLOROPROPENE	6	U	
ETHYLBENZENE	7200		
M+P-XYLENES	21000		
METHYL TERT-BUTYL ETHER	6	U	
METHYLENE CHLORIDE	12	U	
O-XYLENE	9300		
STYRENE	6	U	

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-009-1/3
qc_type	NM
units	UG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6	U	
TOLUENE	6	U	
TRANS-1,2-DICHLOROETHENE	6	U	
TRANS-1,3-DICHLOROPROPENE	6	U	
TRICHLOROETHENE	6	U	
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-013-2/3
qc_type	NM
units	UG/KG
Pct_Solids	82
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	21		
2-HEXANONE	11	U	
4-METHYL-2-PENTANONE	11	U	
ACETONE	98		
BENZENE	3.3	J	P
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	11	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	11	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	11	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	11		
M+P-XYLENES	35		
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	A
O-XYLENE	14		
STYRENE	5.7	U	

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-013-2/3
qc_type	NM
units	UG/KG
Pct_Solids	82
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.7	U	
TOLUENE	8		
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	11	U	

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-215-06	nsample	CEF-293-SU-215-06
samp_date	11/9/2002	samp_date	11/9/2002
lab_id	211059-007-015-1/3	lab_id	211059-007-015-1/3
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	83	Pct_Solids	83
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.2	U	
1,1,2,2-TETRACHLOROETHANE	5.2	U	
1,1,2-TRICHLOROETHANE	5.2	U	
1,1-DICHLOROETHANE	5.2	U	
1,1-DICHLOROETHENE	5.2	U	
1,2-DICHLOROETHANE	5.2	U	
1,2-DICHLOROPROPANE	5.2	U	
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	13		
BENZENE	2.5	J	P
BROMODICHLOROMETHANE	5.2	U	
BROMOFORM	5.2	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.2	U	
CARBON TETRACHLORIDE	5.2	U	
CHLOROBENZENE	5.2	U	
CHLORODIBROMOMETHANE	5.2	U	
CHLOROETHANE	10	U	
CHLOROFORM	5.2	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5.2	U	
CIS-1,3-DICHLOROPROPENE	5.2	U	
ETHYLBENZENE	10		
M+P-XYLENES	29		
METHYL TERT-BUTYL ETHER	5.2	U	
METHYLENE CHLORIDE	10	U	A
O-XYLENE	14		
STYRENE	5.2	U	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.2	U	
TOLUENE	5.1	J	P
TRANS-1,2-DICHLOROETHENE	5.2	U	
TRANS-1,3-DICHLOROPROPENE	5.2	U	
TRICHLOROETHENE	5.2	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: PA

nsample	CEF-293-DU11	nsample	CEF-293-SU-213-06	nsample	CEF-293-SU-214-06
samp_date	11/9/2002	samp_date	11/9/2002	samp_date	11/9/2002
lab_id	211059-008-008-1/1DL	lab_id	211059-005-005-1/1DL	lab_id	211059-006-006-1/1DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	85	Pct_Solids	72	Pct_Solids	82
DUP_OF:	CEF-293-SU-213-06	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	37000		
2-METHYLNAPHTHALENE	52000		
ACENAPHTHENE	39	U	
ACENAPHTHYLENE	39	U	
ANTHRACENE	98		
BENZO(A)ANTHRACENE	71		
BENZO(A)PYRENE	39	U	
BENZO(B)FLUORANTHENE	47		
BENZO(G,H,I)PERYLENE	39	U	
BENZO(K)FLUORANTHENE	39	U	
CHRYSENE	55		
DIBENZO(A,H)ANTHRACENE	39	U	
FLUORANTHENE	200		
FLUORENE	890		
INDENO(1,2,3-CD)PYRENE	39	U	
NAPHTHALENE	28000		
PHENANTHRENE	350		
PYRENE	180		

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	31000		
2-METHYLNAPHTHALENE	44000		
ACENAPHTHENE	46	U	
ACENAPHTHYLENE	46	U	
ANTHRACENE	83		
BENZO(A)ANTHRACENE	60		
BENZO(A)PYRENE	46	U	
BENZO(B)FLUORANTHENE	46	U	
BENZO(G,H,I)PERYLENE	46	U	
BENZO(K)FLUORANTHENE	46	U	
CHRYSENE	46	U	
DIBENZO(A,H)ANTHRACENE	46	U	
FLUORANTHENE	150		
FLUORENE	750		
INDENO(1,2,3-CD)PYRENE	46	U	
NAPHTHALENE	21000		
PHENANTHRENE	270		
PYRENE	130		

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	11000		
2-METHYLNAPHTHALENE	16000		
ACENAPHTHENE	41	U	
ACENAPHTHYLENE	41	U	
ANTHRACENE	110		
BENZO(A)ANTHRACENE	81		
BENZO(A)PYRENE	53		
BENZO(B)FLUORANTHENE	41	U	
BENZO(G,H,I)PERYLENE	41	U	
BENZO(K)FLUORANTHENE	41	U	
CHRYSENE	65		
DIBENZO(A,H)ANTHRACENE	41	U	
FLUORANTHENE	250		
FLUORENE	320		
INDENO(1,2,3-CD)PYRENE	41	U	
NAPHTHALENE	6000		
PHENANTHRENE	390		
PYRENE	200		

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: PA

nsample	CEF-293-SU-215-06
samp_date	11/9/2002
lab_id	211059-007-007-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	83
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	13000		
2-METHYLNAPHTHALENE	19000		
ACENAPHTHENE	40	U	
ACENAPHTHYLENE	40	U	
ANTHRACENE	180		
BENZO(A)ANTHRACENE	130		
BENZO(A)PYRENE	68		
BENZO(B)FLUORANTHENE	72		
BENZO(G,H,I)PERYLENE	40	U	
BENZO(K)FLUORANTHENE	60		
CHRYSENE	97		
DIBENZO(A,H)ANTHRACENE	40	U	
FLUORANTHENE	410		
FLUORENE	400		
INDENO(1,2,3-CD)PYRENE	40	U	
NAPHTHALENE	6900		
PHENANTHRENE	640		
PYRENE	370		

PROJ_NO: 0039

SDG: 211059 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-213-06	nsample	CEF-293-SU-214-06
samp_date	11/9/2002	samp_date	11/9/2002
lab_id	211059-005-005-1/1	lab_id	211059-006-006-1/1
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	95.4	J	H
2-METHYLNAPHTHALENE	126.0	J	H
ACENAPHTHENE	1.1	J	H
ACENAPHTHYLENE	0.5	UJ	H
ANTHRACENE	0.5	UJ	H
BENZO(A)ANTHRACENE	0.5	UJ	H
BENZO(A)PYRENE	0.5	UJ	H
BENZO(B)FLUORANTHENE	0.5	UJ	H
BENZO(G,H,I)PERYLENE	0.5	UJ	H
BENZO(K)FLUORANTHENE	0.5	UJ	H
CHRYSENE	0.5	UJ	H
DIBENZO(A,H)ANTHRACENE	0.5	UJ	H
FLUORANTHENE	0.5	UJ	H
FLUORENE	1.2	J	H
INDENO(1,2,3-CD)PYRENE	0.5	UJ	H
NAPHTHALENE	97.4	J	H
PHENANTHRENE	0.5	UJ	H
PYRENE	0.5	UJ	H

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	74.5	J	H
2-METHYLNAPHTHALENE	86.2	J	H
ACENAPHTHENE	1.2	J	H
ACENAPHTHYLENE	0.5	UJ	H
ANTHRACENE	0.5	UJ	H
BENZO(A)ANTHRACENE	0.5	UJ	H
BENZO(A)PYRENE	0.5	UJ	H
BENZO(B)FLUORANTHENE	0.5	UJ	H
BENZO(G,H,I)PERYLENE	0.5	UJ	H
BENZO(K)FLUORANTHENE	0.5	UJ	H
CHRYSENE	0.5	UJ	H
DIBENZO(A,H)ANTHRACENE	0.5	UJ	H
FLUORANTHENE	0.5	UJ	H
FLUORENE	1.4	J	H
INDENO(1,2,3-CD)PYRENE	0.5	UJ	H
NAPHTHALENE	80.6	J	H
PHENANTHRENE	1.1	J	H
PYRENE	0.5	UJ	H

PROJ_NO: 0039

SDG: 211059 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-005-1/1
qc_type	NM
units	MG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	0.8	UJ	H

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-006-1/1
qc_type	NM
units	MG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	0.8	UJ	H

PROJ_NO: 0039

SDG: 211059 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-DU11
samp_date	11/9/2002
lab_id	211059-008-008-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	85
DUP_OF:	CEF-293-SU-213-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	16000		

nsample	CEF-293-SU-206-06
samp_date	11/9/2002
lab_id	211059-001-001-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	76
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7100		

nsample	CEF-293-SU-213-06
samp_date	11/9/2002
lab_id	211059-005-005-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	14000		

PROJ_NO: 0039

4-3-03 JAI

SDG: 211059 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-214-06
samp_date	11/9/2002
lab_id	211059-006-006-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	82
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6600		

nsample	CEF-293-SU-215-06
samp_date	11/9/2002
lab_id	211059-007-007-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	83
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	3400		

nsample	CEF-293-SU-230-04
samp_date	11/9/2002
lab_id	211059-003-003-1/1
qc_type	NM
units	MG/KG
Pct_Solids	78
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	480		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-018-1/3
Sample Volume :	5.15	Lab File ID :	A37117.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	14.96	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
78-93-3	2-Butanone	11	U
591-78-6	2-Hexanone	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
67-64-1	Acetone	18	
71-43-2	Benzene	5.7	U
75-27-4	Bromodichloromethane	5.7	U
75-25-2	Bromoform	5.7	U
74-83-9	Bromomethane	11	U
75-15-0	Carbon Disulfide	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
108-90-7	Chlorobenzene	5.7	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	5.7	U
74-87-3	Chloromethane	11	U
124-48-1	Dibromochloromethane	5.7	U
75-09-2	Methylene Chloride	7.9	JB
100-42-5	Styrene	5.7	U
127-18-4	Tetrachloroethylene	5.7	U
108-88-3	Toluene	5.7	U
79-01-6	Trichloroethene	5.7	U
75-01-4	Vinyl Chloride	11	U
156-59-2	cis-1,2-Dichloroethene	5.7	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-018-1/3
Sample Volume :	5.15	Lab File ID :	A37117.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	14.96	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.7	U
1634-04-4	tert-butyl methyl ether	5.7	U
156-60-5	trans-1,2-dichloroethene	5.7	U
10061-02-6	trans-1,3-dichloropropene	5.7	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-020-3/3DL
Sample Volume :	4.97	Lab File ID :	A37170.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	14.96	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	100.6
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	7500	
136777-61-2	m,p-Xylenes	32000	
95-47-6	o-Xylene	9900	

1063R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-009-1/3
Sample Volume :	5.77	Lab File ID :	A37114.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	27.78	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U
79-00-5	1,1,2-Trichloroethane	6.0	U
75-34-3	1,1-Dichloroethane	6.0	U
75-35-4	1,1-Dichloroethene	6.0	U
107-06-2	1,2-Dichloroethane	6.0	U
78-87-5	1,2-Dichloropropane	6.0	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	23	
71-43-2	Benzene	6.0	U
75-27-4	Bromodichloromethane	6.0	U
75-25-2	Bromoform	6.0	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	6.0	U
56-23-5	Carbon Tetrachloride	6.0	U
108-90-7	Chlorobenzene	6.0	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	6.0	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	6.0	U
75-09-2	Methylene Chloride	12	U
100-42-5	Styrene	6.0	U
127-18-4	Tetrachloroethylene	6.0	U
108-88-3	Toluene	6.0	U
79-01-6	Trichloroethene	6.0	U
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	6.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-009-1/3
Sample Volume :	5.77	Lab File ID :	A37114.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	27.78	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	6.0	U
1634-04-4	tert-butyl methyl ether	6.0	U
156-60-5	trans-1,2-dichloroethene	6.0	U
10061-02-6	trans-1,3-dichloropropene	6.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-011-3/3DL
Sample Volume :	5.25	Lab File ID :	A37169.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	27.78	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	95.2
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	7200	
136777-61-2	m,p-Xylenes	21000	
95-47-6	o-Xylene	9300	

1032R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-006-013-2/3
Sample Volume :	5.36	Lab File ID :	A37171.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	17.92	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
78-93-3	2-Butanone	21	
591-78-6	2-Hexanone	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
67-64-1	Acetone	98	
71-43-2	Benzene	3.3	J
75-27-4	Bromodichloromethane	5.7	U
75-25-2	Bromoform	5.7	U
74-83-9	Bromomethane	11	U
75-15-0	Carbon Disulfide	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
108-90-7	Chlorobenzene	5.7	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	5.7	U
74-87-3	Chloromethane	11	U
124-48-1	Dibromochloromethane	5.7	U
100-41-4	Ethylbenzene	11	
75-09-2	Methylene Chloride	8.7	JB
100-42-5	Styrene	5.7	U
127-18-4	Tetrachloroethylene	5.7	U
108-88-3	Toluene	8.0	
79-01-6	Trichloroethene	5.7	U
75-01-4	Vinyl Chloride	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-006-013-2/3
Sample Volume :	5.36	Lab File ID :	A37171.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	17.92	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
136777-61-2	m,p-Xylenes	35	
95-47-6	o-Xylene	14	
1634-04-4	tert-butyl methyl ether	5.7	U
156-60-5	trans-1,2-dichloroethene	5.7	U
10061-02-6	trans-1,3-dichloropropene	5.7	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21506

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-007-015-1/3
Sample Volume :	5.77	Lab File ID :	A37116.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	17.23	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	13	
71-43-2	Benzene	2.5	J
75-27-4	Bromodichloromethane	5.2	U
75-25-2	Bromoform	5.2	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
108-90-7	Chlorobenzene	5.2	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	5.2	U
100-41-4	Ethylbenzene	10	
75-09-2	Methylene Chloride	7.3	JB
100-42-5	Styrene	5.2	U
127-18-4	Tetrachloroethylene	5.2	U
108-88-3	Toluene	5.1	J
79-01-6	Trichloroethene	5.2	U
75-01-4	Vinyl Chloride	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21506

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211059
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-007-015-1/3
Sample Volume :	5.77	Lab File ID :	A37116.D
Level :	Low	Date Received	11/11/2002
% Moisture: not dec	17.23	Date Analyzed	11/13/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
136777-61-2	m,p-Xylenes	29	
95-47-6	o-Xylene	14	
1634-04-4	tert-butyl methyl ether	5.2	U
156-60-5	trans-1,2-dichloroethene	5.2	U
10061-02-6	trans-1,3-dichloropropene	5.2	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-008-1/1
Sample Volume :	30	Lab File ID :	C34244.D
% Moisture:	14.96	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	24000	E
91-57-6	2-Methylnaphthalene	45000	E
83-32-9	Acenaphthene	39	U
208-96-8	Acenaphthylene	39	U
120-12-7	Anthracene	98	
56-55-3	Benzo(a)anthracene	71	
50-32-8	Benzo(a)pyrene .	39	U
205-99-2	Benzo(b)fluoranthene	47	
191-24-2	Benzo(g,h,i)perylene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
218-01-9	Chrysene	55	
53-70-3	Dibenz(a,h)Anthracene	39	U
206-44-0	Fluoranthene	200	
86-73-7	Fluorene	890	
193-39-5	Indeno(1,2,3-c,d)Pyrene	39	U
91-20-3	Naphthalene	13000	E
85-01-8	Phenanthrene	350	
129-00-0	Pyrene	180	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-008-1/1
Sample Volume :	30	Lab File ID :	C34250.D
% Moisture:	14.96	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	37000	
91-57-6	2-Methylnaphthalene	52000	
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	390	U
120-12-7	Anthracene	390	U
56-55-3	Benzo(a)anthracene	390	U
50-32-8	Benzo(a)pyrene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
218-01-9	Chrysene	390	U
53-70-3	Dibenz(a,h)Anthracene	390	U
206-44-0	Fluoranthene	390	U
86-73-7	Fluorene	860	
193-39-5	Indeno(1,2,3-c,d)Pyrene	390	U
91-20-3	Naphthalene	28000	
85-01-8	Phenanthrene	390	
129-00-0	Pyrene	390	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-005-1/1
Sample Volume :	30	Lab File ID :	C34241.D
% Moisture:	27.78	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	22000	E
91-57-6	2-Methylnaphthalene	35000	E
83-32-9	Acenaphthene	46	U
208-96-8	Acenaphthylene	46	U
120-12-7	Anthracene	83	
56-55-3	Benzo(a)anthracene	60	
50-32-8	Benzo(a)pyrene .	46	U
205-99-2	Benzo(b)fluoranthene	46	U
191-24-2	Benzo(g,h,i)perylene	46	U
207-08-9	Benzo(k)fluoranthene	46	U
218-01-9	Chrysene	46	U
53-70-3	Dibenz(a,h)Anthracene	46	U
206-44-0	Fluoranthene	150	
86-73-7	Fluorene	750	
193-39-5	Indeno(1,2,3-c,d)Pyrene	46	U
91-20-3	Naphthalene	10000	E
85-01-8	Phenanthrene	270	
129-00-0	Pyrene	130	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-005-1/1
Sample Volume :	30	Lab File ID :	C34247.D
% Moisture:	27.78	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	31000	
91-57-6	2-Methylnaphthalene	44000	
83-32-9	Acenaphthene	460	U
208-96-8	Acenaphthylene	460	U
120-12-7	Anthracene	460	U
56-55-3	Benzo(a)anthracene	460	U
50-32-8	Benzo(a)pyrene	460	U
205-99-2	Benzo(b)fluoranthene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
218-01-9	Chrysene	460	U
53-70-3	Dibenz(a,h)Anthracene	460	U
206-44-0	Fluoranthene	460	U
86-73-7	Fluorene	880	
193-39-5	Indeno(1,2,3-c,d)Pyrene	460	U
91-20-3	Naphthalene	21000	
85-01-8	Phenanthrene	460	U
129-00-0	Pyrene	460	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-006-006-1/1
Sample Volume :	30	Lab File ID :	C34242.D
% Moisture:	17.92	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	9100	E
91-57-6	2-Methylnaphthalene	12000	E
83-32-9	Acenaphthene	41	U
208-96-8	Acenaphthylene	41	U
120-12-7	Anthracene	110	
56-55-3	Benzo(a)anthracene	81	
50-32-8	Benzo(a)pyrene	53	
205-99-2	Benzo(b)fluoranthene	41	U
191-24-2	Benzo(g,h,i)perylene	41	U
207-08-9	Benzo(k)fluoranthene	41	U
218-01-9	Chrysene	65	
53-70-3	Dibenz(a,h)Anthracene	41	U
206-44-0	Fluoranthene	250	
86-73-7	Fluorene	320	
193-39-5	Indeno(1,2,3-c,d)Pyrene	41	U
91-20-3	Naphthalene	6000	
85-01-8	Phenanthrene	390	
129-00-0	Pyrene	200	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-006-006-1/1
Sample Volume :	30	Lab File ID :	C34248.D
% Moisture:	17.92	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	11000	
91-57-6	2-Methylnaphthalene	16000	
83-32-9	Acenaphthene	410	U
208-96-8	Acenaphthylene	410	U
120-12-7	Anthracene	410	U
56-55-3	Benzo(a)anthracene	410	U
50-32-8	Benzo(a)pyrene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
218-01-9	Chrysene	410	U
53-70-3	Dibenz(a,h)Anthracene	410	U
206-44-0	Fluoranthene	410	U
86-73-7	Fluorene	490	
193-39-5	Indeno(1,2,3-c,d)Pyrene	410	U
91-20-3	Naphthalene	6900	
85-01-8	Phenanthrene	490	
129-00-0	Pyrene	410	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21506DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-007-007-1/1
Sample Volume :	30	Lab File ID :	C34243.D
% Moisture:	17.23	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/19/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	10000	E
91-57-6	2-Methylnaphthalene	13000	E
83-32-9	Acenaphthene	40	U
208-96-8	Acenaphthylene	40	U
120-12-7	Anthracene	180	
56-55-3	Benzo(a)anthracene	130	
50-32-8	Benzo(a)pyrene	68	
205-99-2	Benzo(b)fluoranthene	72	
191-24-2	Benzo(g,h,i)perylene	40	U
207-08-9	Benzo(k)fluoranthene	60	
218-01-9	Chrysene	97	
53-70-3	Dibenz(a,h)Anthracene	40	U
206-44-0	Fluoranthene	410	
86-73-7	Fluorene	400	
193-39-5	Indeno(1,2,3-c,d)Pyrene	40	U
91-20-3	Naphthalene	6900	
85-01-8	Phenanthrene	640	
129-00-0	Pyrene	370	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21506DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-007-007-1/1
Sample Volume :	30	Lab File ID :	C34249.D
% Moisture:	17.23	Date Received	11/11/2002
Extraction:	SW3550-LL	Date Extracted:	11/12/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	13000	
91-57-6	2-Methylnaphthalene	19000	
83-32-9	Acenaphthene	400	U
208-96-8	Acenaphthylene	400	U
120-12-7	Anthracene	400	U
56-55-3	Benzo(a)anthracene	400	U
50-32-8	Benzo(a)pyrene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
218-01-9	Chrysene	400	U
53-70-3	Dibenz(a,h)Anthracene	400	U
206-44-0	Fluoranthene	440	
86-73-7	Fluorene	440	
193-39-5	Indeno(1,2,3-c,d)Pyrene	400	U
91-20-3	Naphthalene	7900	
85-01-8	Phenanthrene	770	
129-00-0	Pyrene	400	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211059
Case No.		SDG NO :	211059
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211059-005-005-1/1
Sample Volume :	.5	Lab File ID :	F33913.D
Level	Low	Date Received	11/11/2002
% Moisture: not dec	27.78	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
78-93-3	2-Butanone	100	U
591-78-6	2-Hexanone	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	100	U
71-43-2	Benzene	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	100	U
100-41-4	Ethylbenzene	26	J
75-09-2	Methylene Chloride	150	B
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211059
Case No.		SDG NO :	211059
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211059-005-005-1/1
Sample Volume :	.5	Lab File ID :	F33913.D
Level	Low	Date Received	11/11/2002
% Moisture: not dec	27.78	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylenes	63	J
95-47-6	o-Xylene	38	J
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211059
Case No.		SDG NO :	211059
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211059-006-006-1/1
Sample Volume :	.5	Lab File ID :	F33914.D
Level	Low	Date Received	11/11/2002
% Moisture: not dec	17.92	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
78-93-3	2-Butanone	100	U
591-78-6	2-Hexanone	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	100	U
71-43-2	Benzene	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	100	U
100-41-4	Ethylbenzene	30	J
75-09-2	Methylene Chloride	170	
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	25	J
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211059
Case No.		SDG NO :	211059
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211059-006-006-1/1
Sample Volume :	.5	Lab File ID :	F33914.D
Level	Low	Date Received	11/11/2002
% Moisture: not dec	17.92	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylenes	93	J
95-47-6	o-Xylene	41	J
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU21306

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211059-005-005-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34435.D

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
91-20-3	Naphthalene	97.40	
91-57-6	2-Methylnaphthalene	103.50	E
90-12-0	1-Methylnaphthalene	95.4 ~~0.50~~	~~U~~
208-96-8	Acenaphthylene	0.50	U
83-32-9	Acenaphthene	1.10	
86-73-7	Fluorene	1.20	
85-01-8	Phenanthrene	0.50	U
120-12-7	Anthracene	0.50	U
206-44-0	Fluoranthene	0.50	U
129-00-0	Pyrene	0.50	U
56-55-3	Benzo[a]anthracene	0.50	U
218-01-9	Chrysene	0.50	U
205-99-2	Benzo[b]fluoranthene	0.50	U
207-08-9	Benzo[k]fluoranthene	0.50	U
50-32-8	Benzo[a]pyrene	0.50	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U
53-70-3	Dibenz[a,h]anthracene	0.50	U
191-24-2	Benzo[g,h,i]perylene	0.50	U

W 12/17/02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU21306DL

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211059-005-005-1/1DL

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34441.D

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
91-20-3	Naphthalene	140.60	D
91-57-6	2-Methylnaphthalene	126.00	D
90-12-0	1-Methylnaphthalene	110.3 ~~1.00~~	~~U~~ D
208-96-8	Acenaphthylene	1.00	U
83-32-9	Acenaphthene	1.10	D
86-73-7	Fluorene	1.20	D
85-01-8	Phenanthrene	1.00	U
120-12-7	Anthracene	1.00	U
206-44-0	Fluoranthene	1.00	U
129-00-0	Pyrene	1.00	U
56-55-3	Benzo[a]anthracene	1.00	U
218-01-9	Chrysene	1.00	U
205-99-2	Benzo[b]fluoranthene	1.00	U
207-08-9	Benzo[k]fluoranthene	1.00	U
50-32-8	Benzo[a]pyrene	1.00	U
193-39-5	Indeno[1,2,3-cd]pyrene	1.00	U
53-70-3	Dibenz[a,h]anthracene	1.00	U
191-24-2	Benzo[g,h,i]perylene	1.00	U

W 12/17/02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU21406

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211059-006-006-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34436.D

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
91-20-3	Naphthalene	80.60	
91-57-6	2-Methylnaphthalene	86.20	
90-12-0	1-Methylnaphthalene	74.5 ~~0.50~~	~~U~~
208-96-8	Acenaphthylene	0.50	U
83-32-9	Acenaphthene	1.20	
86-73-7	Fluorene	1.40	
85-01-8	Phenanthrene	1.10	
120-12-7	Anthracene	0.50	U
206-44-0	Fluoranthene	0.50	U
129-00-0	Pyrene	0.50	U
56-55-3	Benzo[a]anthracene	0.50	U
218-01-9	Chrysene	0.50	U
205-99-2	Benzo[b]fluoranthene	0.50	U
207-08-9	Benzo[k]fluoranthene	0.50	U
50-32-8	Benzo[a]pyrene	0.50	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U
53-70-3	Dibenz[a,h]anthracene	0.50	U
191-24-2	Benzo[g,h,i]perylene	0.50	U

W 12/17/02

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU11 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-008-008-1/1
Sample Volume :	30	Lab File ID :	M12158.D
% Moisture:	14.96	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	16000	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20606 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-001-001-1/1
Sample Volume :	30	Lab File ID :	M12127.D
% Moisture:	24.22	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	7100	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21306 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-005-005-1/1
Sample Volume :	30	Lab File ID :	M12131.D
% Moisture:	27.78	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	14000	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21406 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-006-006-1/1
Sample Volume :	30	Lab File ID :	M12130.D
% Moisture:	17.92	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6600	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21506 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-007-007-1/1
Sample Volume :	30	Lab File ID :	M12132.D
% Moisture:	17.23	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	3400	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU23004

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211059
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211059-003-003-1/1
Sample Volume :	30	Lab File ID :	M12115.D
% Moisture:	22.23	Date Received	11/11/2002
Extraction:	SW3550	Date Extracted:	11/12/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	480	

1B

TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU21306

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211059 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211059-005-005-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12331.D

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

1B
TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU21406

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211059 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211059-006-006-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12332.D

Level: (low/med) LOW Date Received: 11/11/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. SPERANZA** **DATE: APRIL 3, 2003**

FROM: **SETH C. STAFFEN** **CC: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOA/PAH/TPH**
CTO 078 – NAS CECIL FIELD
SDG: 211064

SAMPLES: 11/Solid/VOA

CEF-293-DU12	CEF-293-SU-201-07	CEF-293-SU-202-08
CEF-293-SU-203-08	CEF-293-SU-207-06	CEF-293-SU-208-06
CEF-293-SU-212-06	CEF-293-SU-219-06	CEF-293-SU-228-06
CEF-293-SU-229-04	CEF-293-SU-230-06	

9/Solid/PAH

CEF-293-DU12	CEF-293-SU-203-08	CEF-293-SU-207-06
CEF-293-SU-208-06	CEF-293-SU-212-06	CEF-293-SU-219-06
CEF-293-SU-227-04	CEF-293-SU-229-04	CEF-293-SU-224-04

12/Solid/TPH

CEF-293-DU12	CEF-293-SU-201-04	CEF-293-SU-202-04
CEF-293-SU-203-04	CEF-293-SU-203-08	CEF-293-SU-204-04
CEF-293-SU-207-06*	CEF-293-SU-208-06	CEF-293-SU-212-06
CEF-293-SU-219-06	CEF-293-SU-228-04	CEF-293-SU-229-04

OVERVIEW

The sample set for CTO 078, SDG: 211064, Naval Air Station (NAS) Cecil Field; Florida consists of nineteen (19) solid environmental samples. The samples were analyzed for Target Compound List (TCL) volatile organic compounds, polynuclear aromatic hydrocarbons, and total petroleum hydrocarbons according to the above listing. In addition, sample CEF-293-SU-207-06 was analyzed SPLP TPH and fractionation between aliphatic and aromatic hydrocarbons. One field duplicate pair was included in this SDG: CEF-293-DU12 and CEF-293-SU-212-06.

The samples were collected by Tetra Tech, NUS on November 10-11, 2002 and analyzed by GPL Laboratories. All analyses were performed in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria and analyzed according to SW 846 Methods 8260B, 8270C, Florida-PRO, and Florida-PRO SPLP analytical and reporting protocols. The data in this SDG was validated with regard to the following parameters:

- Data Completeness
- Holding Times
- Initial/continuing calibrations
- Laboratory method/field quality control blank results
- Field Duplicate Results
- Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A.

VOA FRACTION

Samples CEF-293-DU12, CEF-293-SU-212-06, CEF-293-SU-228-06 were analyzed as medium level soils.

The initial calibration on 11/12/02 on instrument HP#E contained a relative response factor (RRF) that fell below the 0.05 quality control limit for 2-butanone. The nondetected results were qualified as rejected, UR, in the medium level soil samples.

The initial calibration on 11/12/02 on instrument HP#E contained percent relative standard deviations (%RSDs) that exceeded the 30% quality control limit for bromomethane, methylene chloride, trans-1,3-dichloropropene, and bromoform. Methylene chloride was qualified for laboratory blank contamination. No qualification action was warranted for the remaining compounds because the noncompliances were not gross exceedances.

The continuing calibration on 11/18/02 at 1337 on instrument HP#E contained a relative response factor (RRF) that fell below the 0.05 quality control limit for 2-butanone. The nondetected results were qualified as rejected, UR, in the medium level soil samples.

The continuing calibration on 11/18/02 at 1337 on instrument HP#E contained a percent difference (%D) that exceeded the 25% quality control limit for 1,2-dibromo-2-chloropropane. No qualification action was warranted because the noncompliance was not a gross exceedance.

The following compounds were detected in the laboratory method blanks at the maximum concentration indicated below:

Compound	Concentration	Soil Action Level
Methylene chloride (Medium Level Soil)	10 µg/kg	100 µg/kg
Methylene chloride	7.8 µg/kg	78 µg/kg
Acetone	13 µg/kg	130 µg/kg
Trichloroethene	1.4 µg/kg	7.0 µg/kg

Blank Actions

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < action level; report value followed by a U.
- Value > RL and > action level; report value unqualified.

An action level of 10X (acetone and methylene chloride) and 5X (trichloroethene) the maximum contaminant concentration was established to evaluate laboratory blank contamination. Dilution factors, percent moisture, and sample aliquots were warranted into consideration during the application of all action levels. The positive results were qualified as (U) as a result of laboratory blank contamination for methylene chloride and acetone.

The laboratory did not report medium level soil (MLS) blanks correctly. The blanks associated with MLS samples are reported as low level soil blanks. Methanol which is used as the solvent for MLS sample preparation is not used in the method blanks. Thus, the potential impact for contamination of methanol cannot be assessed on environmental samples.

The initial calibration on 11/19/02 on instrument HP#F contained relative response factors (RRFs) that fell below the 0.05 quality control limit for 2-butanone and acetone. Positive results for 2-butanone were qualified as estimated, J, and nondetected results were rejected, UR, in the associated samples. Acetone was already qualified for laboratory blank contamination.

The initial calibration on 11/19/02 on instrument HP#F contained a percent relative standard deviation (%RSD) that exceeded the 30% quality control limit for methylene chloride. No qualification action was warranted because methylene chloride was qualified for laboratory blank contamination.

The continuing calibration on 11/20/02 at 1554 on instrument HP#F contained a relative response factor (RRF) that fell below the 0.05 quality control limit for 2-butanone. Positive results for 2-butanone were qualified as estimated, J, and nondetected results were rejected, UR, in the associated samples.

The continuing calibration on 11/20/02 at 1554 on instrument HP#F contained percent differences (%Ds) that exceeded the 25% quality control limit for 1,2-dibromo-2-chloropropane, 4-methyl-2-pentanone, 2-hexanone, bromoform, 1,1,2,2-tetrachloroethane. No qualification action was warranted because the noncompliances were not gross exceedances.

The continuing calibration on 11/21/02 at 1146 on instrument HP#F contained a relative response factor (RRF) that fell below the 0.05 quality control limit for 2-butanone. Positive results for 2-butanone were qualified as estimated, J, and nondetected results were rejected, UR, in the associated samples.

The continuing calibration on 11/21/02 at 1146 on instrument HP#F contained percent differences (%Ds) that exceeded the 25% quality control limit for bromomethane, chloroethane, methylene chloride, 2-butanone, 1,2-dibromo-2-chloropropane, 4-methyl-2-pentanone, 2-hexanone, and bromoform. No qualification action was warranted for the remaining compounds because the noncompliances were not gross exceedances. 2-Butanone was rejected for a more severe calibration noncompliance. Methylene chloride was qualified for laboratory blank contamination.

The surrogate recovery of 4-bromofluorobenzene and 1,2-dichlorobenzene-d4 fell below the lower quality control limit for sample CEF-293-SU-230-06. A re-analysis was not performed because the spare encore sample was accidentally broken by the laboratory. No qualification action was warranted.

The linear calibration range was exceeded by acetone in sample CEF-293-SU-207-06. Acetone was qualified as estimated, J, in the aforementioned sample.

The surrogate recovery of 1,2-dichlorobenzene-d4 fell below the lower quality control limit for sample CEF-293-SU-202-08. All other surrogates were within quality control limits. No qualification action was warranted.

PAH FRACTION

The continuing calibrations on 11/20/02 at 1341 and 11/21/02 at 1257 contained %Ds that exceeded the 25% quality control limit for indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene. No qualification action was warranted.

The following samples were analyzed at dilution:

Sample	Dilution
CEF-293-DU12	20X
CEF-293-SU-207-06	20X
CEF-293-SU-208-06	20X
CEF-293-SU-212-06	20X
CEF-293-SU-224-04	20X

The linear calibration range of the instrument was exceeded by 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene in sample CEF-293-SU-208-06. The results for the aforementioned compounds were transposed over from the 100X dilution and used for data validation purposes. The remaining compounds were reported from the original 20X dilution analysis.

Field duplicate imprecision occurred between sample CEF-293-SU-212-06 and its duplicate CEF-293-DU12 for 2-methylnaphthalene and naphthalene. The positive results were qualified as estimated, J, in the field pair.

TPH FRACTION

Sample CEF-293-SU-207-06 was collected on 11/11/02 and extracted on 11/27/02 (16 days). The sample exceeded the sample collection date to extraction quality control holding time of 14 days. The nondetected result was qualified as estimated, UJ.

Sample CEF-293-SU-229-04 was collected on 11/10/02 and extracted on 11/25/02 (15 days). The sample exceeded the sample collection date to extraction quality control holding time of 14 days. The nondetected result was qualified as estimated, UJ.

The initial calibration on 12/27/02 contained a %RSD that exceeded the 30% quality control limit for TPH. No qualification action was warranted.

Surrogate recoveries for nonatriacontane and o-terphenyl fell below the 70% lower quality control limit for several samples. No qualification action was warranted since the %Rs were greater than 10%.

Field duplicate imprecision occurred between sample CEF-293-SU-212-06 and its duplicate CEF-293-DU12 for TPH. The positive results were qualified as estimated, J, in the field pair.

TPH FRACTIONATION

Sample CEF-293-SU-207-06 was collected on 11/11/02 and extracted on 11/27/02 (16 days). The sample exceeded the sample collection date to extraction quality control holding time of 14 days. Positive and nondetected results were qualified as estimated, J, and, UJ, respectively, in the aforementioned sample.

The laboratory initially submitted a total TPH only. The laboratory was requested to submit TPH fractionation data per the lab specification. The laboratory then submitted TPH aromatic and TPH aliphatic data which was still not acceptable. After the laboratory was informed that this wasn't acceptable, TPH fractionation results were provided. The results were not supported by calibrations and quality control (QC) data. The validator requested that the laboratory provide the missing calibrations and QC. The data for percent recoveries of the blank spike was then provided, however, the laboratory had to be asked for the spiked concentrations so the recoveries could be verified. The laboratory submitted the spiked concentrations upon request. No calibrations of individual TPH fractions or electronic data deliverable (EDD) for TPH fractions were ever provided. None of the TPH fractionation data could be validated completely because the calibrations were never provided. Without calibration data it is impossible to determine if the method was performed within specified tolerances or if the results provided were calculated correctly. Therefore because of the absence of calibration data, positive and nondetected results were qualified as estimated, J, and, UJ, respectively.

4-4-03 JAS

The result for C34-C35 in the TPH fractionation data was reported as "0" on the hardcopy. This result was represented as 0.05U mg/kg in the EDD. The value in the EDD was used for validation even though there were no method blank or reporting limits for the fractionation data to verify a reporting limit. The EDD contained the parameters aromatic TPH, aliphatic chlorinated hydrocarbons, and total petroleum hydrocarbons. Because these parameters were not summarized on the laboratory Form I and because they were not requested, these parameters were removed from the database.

ADDITIONAL COMMENTS

Positive results below the reporting limit were qualified as estimated, J, due to uncertainty near the detection limit.

The laboratory did report results for ethylbenzene in the volatile fraction. The laboratory was contacted and the appropriate documentation was re-submitted. The re-submitted Form Is were not always consistent with the original Form Is. Samples analyzed via MLS method were calculated incorrectly. The laboratory was contacted for a second time. According to the laboratory, there was a communication error with the software. The laboratory corrected the problem and for a second time re-submitted Form Is. The data reviewer amended the EDD to include the corrected results for samples CEF-293-DU12, CEF-293-SU-212-06, and CEF-293-SU-228-06 and the missing ethylbenzene results in all samples.

For volatile sample CEF-293-SU-201-07, the laboratory reported acetone twice on the re-submitted Form I. In addition, the original Form I and the re-submitted Form I results were inconsistent. The laboratory was contacted. The original Form I contained the correct results excluding ethylbenzene. The laboratory confirmed that ethylbenzene was not detected in the aforementioned sample (Reporting Limit is 5.9 ug/Kg). The data reviewer amended the EDD to reflect the correct results and the Form I to include the missing ethylbenzene result.

EXECUTIVE SUMMARY

Laboratory performance: Several compounds exceeded the initial and/or continuing calibration criteria in the volatile, PAH, and TPH fractions. Acetone, methylene chloride, and trichloroethene were detected in the laboratory method blanks. MLS analyses were calculated incorrectly. Laboratory Form Is were incomplete. A MLS preparation blank was not analyzed. Several compounds exceeded the linear calibration range of the instrument in the volatile fraction.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the NFESC guidelines "Navy IRCDQM" (September 1999). The text of this report has been formulated to address only those problems affecting data quality.

"I attest that the data referenced herein was validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Seth C. Staffen

Environmental Scientist/Data Validator
Tetra Tech, NUS

Joseph A. Samchuck

Data Validation Quality Assurance Officer
Tetra Tech, NUS

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A	=	Lab Blank Contamination
B	=	Field Blank Contamination
C	=	Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D	=	MS/MSD Noncompliance
E	=	LCS/LCSD Noncompliance
F	=	Lab Duplicate Imprecision
G	=	Field Duplicate Imprecision
H	=	Holding Time Exceedance
I	=	ICP Serial Dilution Noncompliance
J	=	GFAA PDS - GFAA MSA's $r < 0.995$
K	=	ICP Interference - include ICSAB % R's
L	=	Instrument Calibration Range Exceedance
M	=	Sample Preservation
N	=	Internal Standard Noncompliance
N01	=	Internal Standard Noncompliance Dioxins
N02	=	Recovery Standard Noncompliance Dioxins
N03	=	Clean-up Standard Noncompliance Dioxins
O	=	Poor Instrument Performance (i.e., base-time drifting)
P	=	Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q	=	Other problems (can encompass a number of issues)
R	=	Surrogates Recovery Noncompliance
S	=	Pesticide/PCB Resolution
T	=	% Breakdown Noncompliance for DDT and Endrin
U	=	Pest/PCD% between columns for positive results
V	=	Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W	=	EMPC result
X	=	Signal to noise response drop
Y	=	Percent solids <30%
Z	=	Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-DU12
samp_date	11/11/2002
lab_id	211064-010-036-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	CEF-293-SU-212-06

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	590	U	
1,1,2,2-TETRACHLOROETHANE	590	U	
1,1,2-TRICHLOROETHANE	590	U	
1,1-DICHLOROETHANE	590	U	
1,1-DICHLOROETHENE	590	U	
1,2-DICHLOROETHANE	590	U	
1,2-DICHLOROPROPANE	590	U	
2-BUTANONE	1200	UR	C
2-HEXANONE	1200	U	
4-METHYL-2-PENTANONE	1200	U	
ACETONE	1200	U	
BENZENE	590	U	
BROMODICHLOROMETHANE	590	U	
BROMOFORM	590	U	
BROMOMETHANE	1200	U	
CARBON DISULFIDE	590	U	
CARBON TETRACHLORIDE	590	U	
CHLOROBENZENE	590	U	
CHLORODIBROMOMETHANE	590	U	
CHLOROETHANE	1200	U	
CHLOROFORM	590	U	
CHLOROMETHANE	1200	U	
CIS-1,2-DICHLOROETHENE	590	U	
CIS-1,3-DICHLOROPROPENE	590	U	
ETHYLBENZENE	540	J	P
M+P-XYLENES	820		
METHYL TERT-BUTYL ETHER	590	U	
METHYLENE CHLORIDE	1200	U	A
O-XYLENE	1600		
STYRENE	590	U	

nsample	CEF-293-DU12
samp_date	11/11/2002
lab_id	211064-010-036-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	CEF-293-SU-212-06

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	590	U	
TOLUENE	590	U	
TRANS-1,2-DICHLOROETHENE	590	U	
TRANS-1,3-DICHLOROPROPENE	590	U	
TRICHLOROETHENE	590	U	
VINYL CHLORIDE	1200	U	

nsample	CEF-293-SU-201-07
samp_date	11/11/2002
lab_id	211064-007-025-1/3
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	12	UR	C
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	52	U	A
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	12	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
M+P-XYLENES	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	A
O-XYLENE	5.9	U	
STYRENE	5.9	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-201-07
samp_date	11/11/2002
lab_id	211064-007-025-1/3
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-202-08
samp_date	11/11/2002
lab_id	211064-008-028-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.1	U	
1,1,2,2-TETRACHLOROETHANE	5.1	U	
1,1,2-TRICHLOROETHANE	5.1	U	
1,1-DICHLOROETHANE	5.1	U	
1,1-DICHLOROETHENE	5.1	U	
1,2-DICHLOROETHANE	5.1	U	
1,2-DICHLOROPROPANE	5.1	U	
2-BUTANONE	10	UR	C
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	72	U	A
BENZENE	5.1	U	
BROMODICHLOROMETHANE	5.1	U	
BROMOFORM	5.1	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.1	U	
CARBON TETRACHLORIDE	5.1	U	
CHLOROBENZENE	5.1	U	
CHLORODIBROMOMETHANE	5.1	U	
CHLOROETHANE	10	U	
CHLOROFORM	5.1	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5.1	U	
CIS-1,3-DICHLOROPROPENE	5.1	U	
ETHYLBENZENE	5.1	U	
M+P-XYLENES	5.1	U	
METHYL TERT-BUTYL ETHER	5.1	U	
METHYLENE CHLORIDE	10	U	A
O-XYLENE	5.1	U	
STYRENE	5.1	U	

nsample	CEF-293-SU-202-08
samp_date	11/11/2002
lab_id	211064-008-028-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.1	U	
TOLUENE	5.1	U	
TRANS-1,2-DICHLOROETHENE	5.1	U	
TRANS-1,3-DICHLOROPROPENE	5.1	U	
TRICHLOROETHENE	5.1	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-203-08
samp_date	11/11/2002
lab_id	211064-009-031-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	13	UR	C
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	72	U	A
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6.2	J	P
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	13	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	2	J	P
M+P-XYLENES	6.2	J	P
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	A
O-XYLENE	3.9	J	P
STYRENE	6.3	U	

nsample	CEF-293-SU-203-08
samp_date	11/11/2002
lab_id	211064-009-031-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	13	U	

nsample	CEF-293-SU-207-06
samp_date	11/11/2002
lab_id	211064-003-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.8	U	
1,1,2,2-TETRACHLOROETHANE	5.8	U	
1,1,2-TRICHLOROETHANE	5.8	U	
1,1-DICHLOROETHANE	5.8	U	
1,1-DICHLOROETHENE	5.8	U	
1,2-DICHLOROETHANE	5.8	U	
1,2-DICHLOROPROPANE	5.8	U	
2-BUTANONE	66	J	C
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	680	J	AL
BENZENE	5.8	U	
BROMODICHLOROMETHANE	5.8	U	
BROMOFORM	5.8	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	4.7	J	P
CARBON TETRACHLORIDE	5.8	U	
CHLOROBENZENE	5.8	U	
CHLORODIBROMOMETHANE	5.8	U	
CHLOROETHANE	12	U	
CHLOROFORM	5.8	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	5.8	U	
CIS-1,3-DICHLOROPROPENE	5.8	U	
ETHYLBENZENE	5.8	U	
M+P-XYLENES	5.8	U	
METHYL TERT-BUTYL ETHER	5.8	U	
METHYLENE CHLORIDE	12	U	A
O-XYLENE	5.8	U	
STYRENE	5.8	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-207-06
samp_date	11/11/2002
lab_id	211064-003-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.8	U	
TOLUENE	5.8	U	
TRANS-1,2-DICHLOROETHENE	5.8	U	
TRANS-1,3-DICHLOROPROPENE	5.8	U	
TRICHLOROETHENE	5.8	U	
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-208-06
samp_date	11/11/2002
lab_id	211064-004-016-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.7	U	
1,1,2,2-TETRACHLOROETHANE	5.7	U	
1,1,2-TRICHLOROETHANE	5.7	U	
1,1-DICHLOROETHANE	5.7	U	
1,1-DICHLOROETHENE	5.7	U	
1,2-DICHLOROETHANE	5.7	U	
1,2-DICHLOROPROPANE	5.7	U	
2-BUTANONE	11	UR	C
2-HEXANONE	11	U	
4-METHYL-2-PENTANONE	11	U	
ACETONE	150	J	A
BENZENE	5.7	U	
BROMODICHLOROMETHANE	5.7	U	
BROMOFORM	5.7	U	
BROMOMETHANE	11	U	
CARBON DISULFIDE	5.7	U	
CARBON TETRACHLORIDE	5.7	U	
CHLOROBENZENE	5.7	U	
CHLORODIBROMOMETHANE	5.7	U	
CHLOROETHANE	11	U	
CHLOROFORM	5.7	U	
CHLOROMETHANE	11	U	
CIS-1,2-DICHLOROETHENE	5.7	U	
CIS-1,3-DICHLOROPROPENE	5.7	U	
ETHYLBENZENE	5.7	U	
M+P-XYLENES	5.7	U	
METHYL TERT-BUTYL ETHER	5.7	U	
METHYLENE CHLORIDE	11	U	A
O-XYLENE	5.7	U	
STYRENE	5.7	U	

nsample	CEF-293-SU-208-06
samp_date	11/11/2002
lab_id	211064-004-016-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.7	U	
TOLUENE	5.7	U	
TRANS-1,2-DICHLOROETHENE	5.7	U	
TRANS-1,3-DICHLOROPROPENE	5.7	U	
TRICHLOROETHENE	5.7	U	
VINYL CHLORIDE	11	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-212-06
samp_date	11/11/2002
lab_id	211064-001-003-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	610	U	
1,1,2,2-TETRACHLOROETHANE	610	U	
1,1,2-TRICHLOROETHANE	610	U	
1,1-DICHLOROETHANE	610	U	
1,1-DICHLOROETHENE	610	U	
1,2-DICHLOROETHANE	610	U	
1,2-DICHLOROPROPANE	610	U	
2-BUTANONE	1200	UR	C
2-HEXANONE	1200	U	
4-METHYL-2-PENTANONE	1200	U	
ACETONE	1200	U	
BENZENE	610	U	
BROMODICHLOROMETHANE	610	U	
BROMOFORM	610	U	
BROMOMETHANE	1200	U	
CARBON DISULFIDE	610	U	
CARBON TETRACHLORIDE	610	U	
CHLOROBENZENE	610	U	
CHLORODIBROMOMETHANE	610	U	
CHLOROETHANE	1200	U	
CHLOROFORM	610	U	
CHLOROMETHANE	1200	U	
CIS-1,2-DICHLOROETHENE	610	U	
CIS-1,3-DICHLOROPROPENE	610	U	
ETHYLBENZENE	490	J	P
M+P-XYLENES	780		
METHYL TERT-BUTYL ETHER	610	U	
METHYLENE CHLORIDE	1200	U	A
O-XYLENE	1600		
STYRENE	610	U	

nsample	CEF-293-SU-212-06
samp_date	11/11/2002
lab_id	211064-001-003-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	610	U	
TOLUENE	610	U	
TRANS-1,2-DICHLOROETHENE	610	U	
TRANS-1,3-DICHLOROPROPENE	610	U	
TRICHLOROETHENE	610	U	
VINYL CHLORIDE	1200	U	

nsample	CEF-293-SU-219-06
samp_date	11/11/2002
lab_id	211064-002-004-1/9
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
2-BUTANONE	12	UR	C
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	86	U	A
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	12	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
ETHYLBENZENE	5.9	U	
M+P-XYLENES	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	A
O-XYLENE	5.9	U	
STYRENE	5.9	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-219-06
samp_date	11/11/2002
lab_id	211064-002-004-1/9
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	A
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-228-06
samp_date	11/11/2002
lab_id	211064-005-021-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	600	U	
1,1,2,2-TETRACHLOROETHANE	600	U	
1,1,2-TRICHLOROETHANE	600	U	
1,1-DICHLOROETHANE	600	U	
1,1-DICHLOROETHENE	600	U	
1,2-DICHLOROETHANE	600	U	
1,2-DICHLOROPROPANE	600	U	
2-BUTANONE	1200	UR	C
2-HEXANONE	1200	U	
4-METHYL-2-PENTANONE	1200	U	
ACETONE	1200	U	
BENZENE	600	U	
BROMODICHLOROMETHANE	600	U	
BROMOFORM	600	U	
BROMOMETHANE	1200	U	
CARBON DISULFIDE	600	U	
CARBON TETRACHLORIDE	600	U	
CHLOROBENZENE	600	U	
CHLORODIBROMOMETHANE	600	U	
CHLOROETHANE	1200	U	
CHLOROFORM	600	U	
CHLOROMETHANE	1200	U	
CIS-1,2-DICHLOROETHENE	600	U	
CIS-1,3-DICHLOROPROPENE	600	U	
ETHYLBENZENE	860		
M+P-XYLENES	4400		
METHYL TERT-BUTYL ETHER	600	U	
METHYLENE CHLORIDE	1200	U	A
O-XYLENE	720		
STYRENE	600	U	

nsample	CEF-293-SU-228-06
samp_date	11/11/2002
lab_id	211064-005-021-3/3DL
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	600	U	
TOLUENE	600	U	
TRANS-1,2-DICHLOROETHENE	600	U	
TRANS-1,3-DICHLOROPROPENE	600	U	
TRICHLOROETHENE	600	U	
VINYL CHLORIDE	1200	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-229-04
samp_date	11/10/2002
lab_id	211064-013-037-1/3
qc_type	NM
units	UG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	9.5	U	
1,1,2,2-TETRACHLOROETHANE	9.5	U	
1,1,2-TRICHLOROETHANE	9.5	U	
1,1-DICHLOROETHANE	9.5	U	
1,1-DICHLOROETHENE	9.5	U	
1,2-DICHLOROETHANE	9.5	U	
1,2-DICHLOROPROPANE	9.5	U	
2-BUTANONE	19	UR	C
2-HEXANONE	19	U	
4-METHYL-2-PENTANONE	19	U	
ACETONE	69	U	A
BENZENE	9.5	U	
BROMODICHLOROMETHANE	9.5	U	
BROMOFORM	9.5	U	
BROMOMETHANE	19	U	
CARBON DISULFIDE	9.5	U	
CARBON TETRACHLORIDE	9.5	U	
CHLOROBENZENE	9.5	U	
CHLORODIBROMOMETHANE	9.5	U	
CHLOROETHANE	19	U	
CHLOROFORM	9.5	U	
CHLOROMETHANE	19	U	
CIS-1,2-DICHLOROETHENE	9.5	U	
CIS-1,3-DICHLOROPROPENE	9.5	U	
ETHYLBENZENE	9.5	U	
M+P-XYLENES	9.5	U	
METHYL TERT-BUTYL ETHER	9.5	U	
METHYLENE CHLORIDE	19	U	A
O-XYLENE	9.5	U	
STYRENE	9.5	U	

nsample	CEF-293-SU-229-04
samp_date	11/10/2002
lab_id	211064-013-037-1/3
qc_type	NM
units	UG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	9.5	U	
TOLUENE	9.5	U	
TRANS-1,2-DICHLOROETHENE	9.5	U	
TRANS-1,3-DICHLOROPROPENE	9.5	U	
TRICHLOROETHENE	9.5	U	
VINYL CHLORIDE	19	U	

nsample	CEF-293-SU-230-06
samp_date	11/11/2002
lab_id	211064-006-022-1/3
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.2	U	
1,1,2,2-TETRACHLOROETHANE	5.2	U	
1,1,2-TRICHLOROETHANE	5.2	U	
1,1-DICHLOROETHANE	5.2	U	
1,1-DICHLOROETHENE	5.2	U	
1,2-DICHLOROETHANE	5.2	U	
1,2-DICHLOROPROPANE	5.2	U	
2-BUTANONE	10	UR	C
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	210	J	A
BENZENE	5.2	U	
BROMODICHLOROMETHANE	5.2	U	
BROMOFORM	5.2	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.2	U	
CARBON TETRACHLORIDE	5.2	U	
CHLOROBENZENE	5.2	U	
CHLORODIBROMOMETHANE	5.2	U	
CHLOROETHANE	10	U	
CHLOROFORM	5.2	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5.2	U	
CIS-1,3-DICHLOROPROPENE	5.2	U	
ETHYLBENZENE	5.2	U	
M+P-XYLENES	5.2	U	
METHYL TERT-BUTYL ETHER	5.2	U	
METHYLENE CHLORIDE	10	U	A
O-XYLENE	5.2	U	
STYRENE	5.2	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-230-06
samp_date	11/11/2002
lab_id	211064-006-022-1/3
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.2	U	
TOLUENE	5.2	U	
TRANS-1,2-DICHLOROETHENE	5.2	U	
TRANS-1,3-DICHLOROPROPENE	5.2	U	
TRICHLOROETHENE	5.2	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PA

nsample	CEF-293-DU12	nsample	CEF-293-SU-203-08	nsample	CEF-293-SU-207-06
samp_date	11/11/2002	samp_date	11/11/2002	samp_date	11/11/2002
lab_id	211064-010-047-1/1DL	lab_id	211064-009-046-1/1	lab_id	211064-003-044-1/1DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84	Pct_Solids	86	Pct_Solids	86
DUP_OF:	CEF-293-SU-212-06	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	7000		
2-METHYLNAPHTHALENE	7900	J	G
ACENAPHTHENE	80	U	
ACENAPHTHYLENE	80	U	
ANTHRACENE	80	U	
BENZO(A)ANTHRACENE	80	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	80	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	80	U	
FLUORENE	80	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	3100	J	G
PHENANTHRENE	80	U	
PYRENE	80	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	130		
2-METHYLNAPHTHALENE	180		
ACENAPHTHENE	3.9	U	
ACENAPHTHYLENE	3.9	U	
ANTHRACENE	3.9	U	
BENZO(A)ANTHRACENE	3.9	U	
BENZO(A)PYRENE	3.9	U	
BENZO(B)FLUORANTHENE	3.9	U	
BENZO(G,H,I)PERYLENE	3.9	U	
BENZO(K)FLUORANTHENE	3.9	U	
CHRYSENE	3.9	U	
DIBENZO(A,H)ANTHRACENE	3.9	U	
FLUORANTHENE	3.9	U	
FLUORENE	3.9	U	
INDENO(1,2,3-CD)PYRENE	3.9	U	
NAPHTHALENE	26		
PHENANTHRENE	3.9	U	
PYRENE	3.9	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	77	U	
2-METHYLNAPHTHALENE	77	U	
ACENAPHTHENE	77	U	
ACENAPHTHYLENE	77	U	
ANTHRACENE	77	U	
BENZO(A)ANTHRACENE	77	U	
BENZO(A)PYRENE	77	U	
BENZO(B)FLUORANTHENE	77	U	
BENZO(G,H,I)PERYLENE	77	U	
BENZO(K)FLUORANTHENE	77	U	
CHRYSENE	77	U	
DIBENZO(A,H)ANTHRACENE	77	U	
FLUORANTHENE	77	U	
FLUORENE	77	U	
INDENO(1,2,3-CD)PYRENE	77	U	
NAPHTHALENE	77	U	
PHENANTHRENE	77	U	
PYRENE	77	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PA

nsample	CEF-293-SU-208-06
samp_date	11/11/2002
lab_id	211064-004-045-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	50000		
2-METHYLNAPHTHALENE	69000		
ACENAPHTHENE	77	U	
ACENAPHTHYLENE	77	U	
ANTHRACENE	77	U	
BENZO(A)ANTHRACENE	77	U	
BENZO(A)PYRENE	77	U	
BENZO(B)FLUORANTHENE	77	U	
BENZO(G,H,I)PERYLENE	77	U	
BENZO(K)FLUORANTHENE	77	U	
CHRYSENE	77	U	
DIBENZO(A,H)ANTHRACENE	77	U	
FLUORANTHENE	77	U	
FLUORENE	1100		
INDENO(1,2,3-CD)PYRENE	77	U	
NAPHTHALENE	32000		
PHENANTHRENE	77	U	
PYRENE	77	U	

nsample	CEF-293-SU-212-06
samp_date	11/11/2002
lab_id	211064-001-040-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	11000		
2-METHYLNAPHTHALENE	16000	J	G
ACENAPHTHENE	82	U	
ACENAPHTHYLENE	82	U	
ANTHRACENE	82	U	
BENZO(A)ANTHRACENE	82	U	
BENZO(A)PYRENE	82	U	
BENZO(B)FLUORANTHENE	82	U	
BENZO(G,H,I)PERYLENE	82	U	
BENZO(K)FLUORANTHENE	82	U	
CHRYSENE	82	U	
DIBENZO(A,H)ANTHRACENE	82	U	
FLUORANTHENE	82	U	
FLUORENE	82	U	
INDENO(1,2,3-CD)PYRENE	82	U	
NAPHTHALENE	7300	J	G
PHENANTHRENE	82	U	
PYRENE	82	U	

nsample	CEF-293-SU-219-06
samp_date	11/11/2002
lab_id	211064-002-041-1/3
qc_type	NM
units	UG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	12		
2-METHYLNAPHTHALENE	15		
ACENAPHTHENE	3.8	U	
ACENAPHTHYLENE	3.8	U	
ANTHRACENE	3.8	U	
BENZO(A)ANTHRACENE	3.8	U	
BENZO(A)PYRENE	3.8	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(G,H,I)PERYLENE	3.8	U	
BENZO(K)FLUORANTHENE	3.8	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	3.8	U	
FLUORANTHENE	3.8	U	
FLUORENE	3.8	U	
INDENO(1,2,3-CD)PYRENE	3.8	U	
NAPHTHALENE	3.8	U	
PHENANTHRENE	3.8	U	
PYRENE	3.8	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PA

nsample	CEF-293-SU-224-04	nsample	CEF-293-SU-227-04	nsample	CEF-293-SU-229-04
samp_date	11/10/2002	samp_date	11/10/2002	samp_date	11/10/2002
lab_id	211064-011-048-1/1DL	lab_id	211064-012-049-1/1	lab_id	211064-013-050-1/1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	78	Pct_Solids	87	Pct_Solids	72
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	85	U	
2-METHYLNAPHTHALENE	85	U	
ACENAPHTHENE	85	U	
ACENAPHTHYLENE	85	U	
ANTHRACENE	85	U	
BENZO(A)ANTHRACENE	85	U	
BENZO(A)PYRENE	85	U	
BENZO(B)FLUORANTHENE	85	U	
BENZO(G,H,I)PERYLENE	85	U	
BENZO(K)FLUORANTHENE	85	U	
CHRYSENE	85	U	
DIBENZO(A,H)ANTHRACENE	85	U	
FLUORANTHENE	85	U	
FLUORENE	85	U	
INDENO(1,2,3-CD)PYRENE	85	U	
NAPHTHALENE	85	U	
PHENANTHRENE	85	U	
PYRENE	85	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	6.9		
2-METHYLNAPHTHALENE	9.5		
ACENAPHTHENE	3.8	U	
ACENAPHTHYLENE	3.8	U	
ANTHRACENE	3.8	U	
BENZO(A)ANTHRACENE	3.8	U	
BENZO(A)PYRENE	3.8	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(G,H,I)PERYLENE	3.8	U	
BENZO(K)FLUORANTHENE	3.8	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	3.8	U	
FLUORANTHENE	3.8	U	
FLUORENE	3.8	U	
INDENO(1,2,3-CD)PYRENE	3.8	U	
NAPHTHALENE	6.5		
PHENANTHRENE	3.8	U	
PYRENE	3.8	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	120		
2-METHYLNAPHTHALENE	160		
ACENAPHTHENE	4.6	U	
ACENAPHTHYLENE	4.6	U	
ANTHRACENE	4.6	U	
BENZO(A)ANTHRACENE	4.6	U	
BENZO(A)PYRENE	4.6	U	
BENZO(B)FLUORANTHENE	4.6	U	
BENZO(G,H,I)PERYLENE	4.6	U	
BENZO(K)FLUORANTHENE	4.6	U	
CHRYSENE	4.6	U	
DIBENZO(A,H)ANTHRACENE	4.6	U	
FLUORANTHENE	4.6	U	
FLUORENE	4.6	U	
INDENO(1,2,3-CD)PYRENE	4.6	U	
NAPHTHALENE	35		
PHENANTHRENE	4.6	U	
PYRENE	4.6	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-DU12
samp_date	11/11/2002
lab_id	211064-010-047-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	84
DUP_OF:	CEF-293-SU-212-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4300	J	G

nsample	CEF-293-SU-201-04
samp_date	11/10/2002
lab_id	211064-016-055-1/2
qc_type	NM
units	MG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	140		

nsample	CEF-293-SU-202-04
samp_date	11/10/2002
lab_id	211064-017-057-1/1
qc_type	NM
units	MG/KG
Pct_Solids	82
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	5.3	J	P

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-203-04
samp_date	11/10/2002
lab_id	211064-015-054-1/1
qc_type	NM
units	MG/KG
Pct_Solids	65
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	72		

nsample	CEF-293-SU-203-08
samp_date	11/11/2002
lab_id	211064-009-046-1/1
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.6	U	

nsample	CEF-293-SU-204-04
samp_date	11/10/2002
lab_id	211064-018-058-1/1
qc_type	NM
units	MG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.7	U	

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-207-06
samp_date	11/11/2002
lab_id	211064-003-044-1/1
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
>C36 ALIPHATICS	1.83	J	HQ
>C36 AROMATICS	0.05	UJ	HQ
C10-C12 ALIPHATICS	55.74	J	HQ
C10-C12 AROMATICS	0.05	UJ	HQ
C12-C14 ALIPHATICS	374.7	J	HQ
C12-C14 AROMATICS	0.05	UJ	HQ
C14-C16 ALIPHATICS	198.4	J	HQ
C14-C16 AROMATICS	0.05	UJ	HQ
C16-C18 ALIPHATICS	9.59	J	HQ
C16-C18 AROMATICS	0.05	UJ	HQ
C18-C20 ALIPHATICS	4.33	J	HQ
C18-C20 AROMATICS	0.05	UJ	HQ
C20-C22 ALIPHATICS	3.59	J	HQ
C20-C22 AROMATICS	0.05	UJ	HQ
C22-C24 ALIPHATICS	1.95	J	HQ
C22-C24 AROMATICS	0.05	UJ	HQ
C24-C26 ALIPHATICS	0.92	J	HQ
C24-C26 AROMATICS	0.05	UJ	HQ
C26-C28 ALIPHATICS	1.63	J	HQ
C26-C28 AROMATICS	0.05	UJ	HQ
C28-C30 ALIPHATICS	0.57	J	HQ
C28-C30 AROMATICS	0.05	UJ	HQ
C30-C32 ALIPHATICS	0.44	J	HQ
C30-C32 AROMATICS	0.05	UJ	HQ
C32-C34 ALIPHATICS	0.38	J	HQ
C32-C34 AROMATICS	0.05	UJ	HQ
C34-C36 ALIPHATICS	0.05	UJ	HQ
C34-C36 AROMATICS	0.05	UJ	HQ
C8-C10 ALIPHATICS	4.02	J	HQ
C8-C10 AROMATICS	0.05	UJ	HQ

nsample	CEF-293-SU-207-06
samp_date	11/11/2002
lab_id	211064-003-044-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1500		

nsample	CEF-293-SU-208-06
samp_date	11/11/2002
lab_id	211064-004-045-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	20000		

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-212-06
samp_date	11/11/2002
lab_id	211064-001-040-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	8300	J	G

nsample	CEF-293-SU-219-06
samp_date	11/11/2002
lab_id	211064-002-041-1/3
qc_type	NM
units	MG/KG
Pct_Solids	87
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.5	U	

nsample	CEF-293-SU-228-04
samp_date	11/10/2002
lab_id	211064-014-053-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	81
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1200		

PROJ_NO: 0039

SDG: 211064 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-229-04
samp_date	11/10/2002
lab_id	211064-013-051-1/1
qc_type	NM
units	MG/KG
Pct_Solids	72
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.9	UJ	H

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU12DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-010-036-3/3DL
Sample Volume :	5.11	Lab File ID :	E30607.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	16.45	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	97.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	590	U
79-34-5	1,1,2,2-Tetrachloroethane	590	U
79-00-5	1,1,2-Trichloroethane	590	U
75-34-3	1,1-Dichloroethane	590	U
75-35-4	1,1-Dichloroethene	590	U
107-06-2	1,2-Dichloroethane	590	U
78-87-5	1,2-Dichloropropane	590	U
78-93-3	2-Butanone	1200	U
591-78-6	2-Hexanone	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
67-64-1	Acetone	1200	U
71-43-2	Benzene	590	U
75-27-4	Bromodichloromethane	590	U
75-25-2	Bromoform	590	U
74-83-9	Bromomethane	1200	U
75-15-0	Carbon Disulfide	590	U
56-23-5	Carbon Tetrachloride	590	U
108-90-7	Chlorobenzene	590	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	590	U
74-87-3	Chloromethane	1200	U
124-48-1	Dibromochloromethane	590	U
100-41-4	Ethylbenzene	540	J
75-09-2	Methylene Chloride	910	JB
100-42-5	Styrene	590	U
127-18-4	Tetrachloroethylene	590	U
108-88-3	Toluene	590	U
79-01-6	Trichloroethene	590	U
75-01-4	Vinyl Chloride	1200	U

1096R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU12DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-010-036-3/3DL
Sample Volume :	5.11	Lab File ID :	E30607.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	16.45	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	97.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	590	U
10061-01-5	cis-1,3-Dichloropropene	590	U
136777-61-2	m,p-Xylenes	820	
95-47-6	o-Xylene	1600	
1634-04-4	tert-butyl methyl ether	590	U
156-60-5	trans-1,2-dichloroethene	590	U
10061-02-6	trans-1,3-dichloropropene	590	U

1097R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20107

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-007-025-1/3
Sample Volume :	4.74	Lab File ID :	F33726.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	11.1	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	52	B
71-43-2	Benzene	5.9	U
75-27-4	Bromodichloromethane	5.9	U
75-25-2	Bromoform	5.9	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
108-90-7	Chlorobenzene	5.9	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	5.9	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	5.9	U
75-09-2	Methylene Chloride	9.4	JB
100-42-5	Styrene	5.9	U
127-18-4	Tetrachloroethylene	5.9	U
108-88-3	Toluene	5.9	U
79-01-6	Trichloroethene	5.9	U
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	5.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20107

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-007-025-1/3
Sample Volume :	4.74	Lab File ID :	F33726.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	11.1	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.9	U
136777-61-2	m,p-Xylenes	5.9	U
95-47-6	o-Xylene	5.9	U
1634-04-4	tert-butyl methyl ether	5.9	U
156-60-5	trans-1,2-dichloroethene	5.9	U
10061-02-6	trans-1,3-dichloropropene	5.9	U
	Ethyl benzene	5.9	U

SCS 3/27/03

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20208

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-008-028-1/3
Sample Volume :	4.95	Lab File ID :	F33707.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.36	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	72	B
71-43-2	Benzene	5.1	U
75-27-4	Bromodichloromethane	5.1	U
75-25-2	Bromoform	5.1	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.1	U
56-23-5	Carbon Tetrachloride	5.1	U
108-90-7	Chlorobenzene	5.1	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.1	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	5.1	U
75-09-2	Methylene Chloride	5.0	JB
100-42-5	Styrene	5.1	U
127-18-4	Tetrachloroethylene	5.1	U
108-88-3	Toluene	5.1	U
79-01-6	Trichloroethene	5.1	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20208

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-008-028-1/3
Sample Volume :	4.95	Lab File ID :	F33707.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.36	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.1	U
136777-61-2	m,p-Xylenes	5.1	U
95-47-6	o-Xylene	5.1	U
1634-04-4	tert-butyl methyl ether	5.1	U
156-60-5	trans-1,2-dichloroethene	5.1	U
10061-02-6	trans-1,3-dichloropropene	5.1	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU20208
GPL ID: 211064-008-028-1/3
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/20/2002
Prep Time: 15:00
Prep Batch 57886

Analytical Method: SW8260B
Date Analyzed: 11/20/2002
Time Analyzed 23:24
Analysis Batch 57648

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.1	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.1	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.1	ug/kg	U	1
1,1-Dichloroethane	BQL	5.1	ug/kg	U	1
1,1-Dichloroethene	BQL	5.1	ug/kg	U	1
1,2-Dichloroethane	BQL	5.1	ug/kg	U	1
1,2-Dichloropropane	BQL	5.1	ug/kg	U	1
2-Butanone	BQL	10	ug/kg	U	1
2-Hexanone	BQL	10	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10	ug/kg	U	1
Acetone	72	10	ug/kg	B	1
Benzene	BQL	5.1	ug/kg	U	1
Bromodichloromethane	BQL	5.1	ug/kg	U	1
Bromoform	BQL	5.1	ug/kg	U	1
Bromomethane	BQL	10	ug/kg	U	1
Carbon Disulfide	BQL	5.1	ug/kg	U	1
Carbon Tetrachloride	BQL	5.1	ug/kg	U	1
Chlorobenzene	BQL	5.1	ug/kg	U	1
Chloroethane	BQL	10	ug/kg	U	1
Chloroform	BQL	5.1	ug/kg	U	1
Chloromethane	BQL	10	ug/kg	U	1
Dibromochloromethane	BQL	5.1	ug/kg	U	1
Ethylbenzene	BQL	5.1	ug/kg	U	1
Methylene Chloride	5.0	10	ug/kg	JB	1
Styrene	BQL	5.1	ug/kg	U	1
Tetrachloroethylene	BQL	5.1	ug/kg	U	1
Toluene	BQL	5.1	ug/kg	U	1
Trichloroethene	BQL	5.1	ug/kg	U	1
Vinyl Chloride	BQL	10	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.1	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.1	ug/kg	U	1
m,p-Xylenes	BQL	5.1	ug/kg	U	1
o-Xylene	BQL	5.1	ug/kg	U	1
tert-butyl methyl ether	BQL	5.1	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.1	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.1	ug/kg	U	1

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20308

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-009-031-1/3
Sample Volume :	4.6	Lab File ID :	F33708.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.88	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
78-93-3	2-Butanone	13	U
591-78-6	2-Hexanone	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
67-64-1	Acetone	72	B
71-43-2	Benzene	6.3	U
75-27-4	Bromodichloromethane	6.3	U
75-25-2	Bromoform	6.3	U
74-83-9	Bromomethane	13	U
75-15-0	Carbon Disulfide	6.2	J
56-23-5	Carbon Tetrachloride	6.3	U
108-90-7	Chlorobenzene	6.3	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	6.3	U
74-87-3	Chloromethane	13	U
124-48-1	Dibromochloromethane	6.3	U
75-09-2	Methylene Chloride	6.7	JB
100-42-5	Styrene	6.3	U
127-18-4	Tetrachloroethylene	6.3	U
108-88-3	Toluene	6.3	U
79-01-6	Trichloroethene	6.3	U
75-01-4	Vinyl Chloride	13	U
156-59-2	cis-1,2-Dichloroethene	6.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20308

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-009-031-1/3
Sample Volume :	4.6	Lab File ID :	F33708.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.88	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	6.3	U
136777-61-2	m,p-Xylenes	6.2	J
95-47-6	o-Xylene	3.9	J
1634-04-4	tert-butyl methyl ether	6.3	U
156-60-5	trans-1,2-dichloroethene	6.3	U
10061-02-6	trans-1,3-dichloropropene	6.3	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU20308
GPL ID: 211064-009-031-1/3
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/20/2002
Prep Time: 15:00
Prep Batch 57886

Analytical Method: SW8260B
Date Analyzed: 11/21/2002
Time Analyzed 00:01
Analysis Batch 57648

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	6.3	ug/kg	U	1
1,1,2-Trichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethane	BQL	6.3	ug/kg	U	1
1,1-Dichloroethene	BQL	6.3	ug/kg	U	1
1,2-Dichloroethane	BQL	6.3	ug/kg	U	1
1,2-Dichloropropane	BQL	6.3	ug/kg	U	1
2-Butanone	BQL	13	ug/kg	U	1
2-Hexanone	BQL	13	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	13	ug/kg	U	1
Acetone	72	13	ug/kg	B	1
Benzene	BQL	6.3	ug/kg	U	1
Bromodichloromethane	BQL	6.3	ug/kg	U	1
Bromoform	BQL	6.3	ug/kg	U	1
Bromomethane	BQL	13	ug/kg	U	1
Carbon Disulfide	6.2	6.3	ug/kg	J	1
Carbon Tetrachloride	BQL	6.3	ug/kg	U	1
Chlorobenzene	BQL	6.3	ug/kg	U	1
Chloroethane	BQL	13	ug/kg	U	1
Chloroform	BQL	6.3	ug/kg	U	1
Chloromethane	BQL	13	ug/kg	U	1
Dibromochloromethane	BQL	6.3	ug/kg	U	1
Ethylbenzene	2.0	6.3	ug/kg	J	1
Methylene Chloride	6.7	13	ug/kg	JB	1
Styrene	BQL	6.3	ug/kg	U	1
Tetrachloroethylene	BQL	6.3	ug/kg	U	1
Toluene	BQL	6.3	ug/kg	U	1
Trichloroethene	BQL	6.3	ug/kg	U	1
Vinyl Chloride	BQL	13	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	6.3	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	6.3	ug/kg	U	1
m,p-Xylenes	6.2	6.3	ug/kg	J	1
o-Xylene	3.9	6.3	ug/kg	J	1
tert-butyl methyl ether	BQL	6.3	ug/kg	U	1
trans-1,2-dichloroethene	BQL	6.3	ug/kg	U	1
trans-1,3-dichloropropene	BQL	6.3	ug/kg	U	1

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20706

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-003-013-1/3
Sample Volume :	4.99	Lab File ID :	F33724.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.55	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
78-93-3	2-Butanone	66	
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	680	B E
71-43-2	Benzene	5.8	U
75-27-4	Bromodichloromethane	5.8	U
75-25-2	Bromoform	5.8	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	4.7	J
56-23-5	Carbon Tetrachloride	5.8	U
108-90-7	Chlorobenzene	5.8	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	5.8	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	5.8	U
75-09-2	Methylene Chloride	8.5	JB
100-42-5	Styrene	5.8	U
127-18-4	Tetrachloroethylene	5.8	U
108-88-3	Toluene	5.8	U
79-01-6	Trichloroethene	5.8	U
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	5.8	U

A.D.12-1:

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20706

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-003-013-1/3
Sample Volume :	4.99	Lab File ID :	F33724.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.55	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.8	U
136777-61-2	m,p-Xylenes	5.8	U
95-47-6	o-Xylene	5.8	U
1634-04-4	tert-butyl methyl ether	5.8	U
156-60-5	trans-1,2-dichloroethene	5.8	U
10061-02-6	trans-1,3-dichloropropene	5.8	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU20706
GPL ID: 211064-003-013-1/3
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/21/2002
Prep Time: 10:46
Prep Batch 57888

Analytical Method: SW8260B
Date Analyzed: 11/21/2002
Time Analyzed 13:42
Analysis Batch 57649

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.8	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.8	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.8	ug/kg	U	1
1,1-Dichloroethane	BQL	5.8	ug/kg	U	1
1,1-Dichloroethene	BQL	5.8	ug/kg	U	1
1,2-Dichloroethane	BQL	5.8	ug/kg	U	1
1,2-Dichloropropane	BQL	5.8	ug/kg	U	1
2-Butanone	66	12	ug/kg		1
2-Hexanone	BQL	12	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12	ug/kg	U	1
Acetone	680	12	ug/kg	B	1
Benzene	BQL	5.8	ug/kg	U	1
Bromodichloromethane	BQL	5.8	ug/kg	U	1
Bromoform	BQL	5.8	ug/kg	U	1
Bromomethane	BQL	12	ug/kg	U	1
Carbon Disulfide	4.7	5.8	ug/kg	J	1
Carbon Tetrachloride	BQL	5.8	ug/kg	U	1
Chlorobenzene	BQL	5.8	ug/kg	U	1
Chloroethane	BQL	12	ug/kg	U	1
Chloroform	BQL	5.8	ug/kg	U	1
Chloromethane	BQL	12	ug/kg	U	1
Dibromochloromethane	BQL	5.8	ug/kg	U	1
Ethylbenzene	BQL	5.8	ug/kg	U	1
Methylene Chloride	8.5	12	ug/kg	JB	1
Styrene	BQL	5.8	ug/kg	U	1
Tetrachloroethylene	BQL	5.8	ug/kg	U	1
Toluene	BQL	5.8	ug/kg	U	1
Trichloroethene	BQL	5.8	ug/kg	U	1
Vinyl Chloride	BQL	12	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.8	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.8	ug/kg	U	1
m,p-Xylenes	BQL	5.8	ug/kg	U	1
o-Xylene	BQL	5.8	ug/kg	U	1
tert-butyl methyl ether	BQL	5.8	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.8	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.8	ug/kg	U	1

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20806

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-004-016-1/3
Sample Volume :	5.03	Lab File ID :	F33725.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.2	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
78-93-3	2-Butanone	11	U
591-78-6	2-Hexanone	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
67-64-1	Acetone	150	B
71-43-2	Benzene	5.7	U
75-27-4	Bromodichloromethane	5.7	U
75-25-2	Bromoform	5.7	U
74-83-9	Bromomethane	11	U
75-15-0	Carbon Disulfide	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
108-90-7	Chlorobenzene	5.7	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	5.7	U
74-87-3	Chloromethane	11	U
124-48-1	Dibromochloromethane	5.7	U
75-09-2	Methylene Chloride	6.1	JB
100-42-5	Styrene	5.7	U
127-18-4	Tetrachloroethylene	5.7	U
108-88-3	Toluene	5.7	U
79-01-6	Trichloroethene	5.7	U
75-01-4	Vinyl Chloride	11	U
156-59-2	cis-1,2-Dichloroethene	5.7	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20806

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-004-016-1/3
Sample Volume :	5.03	Lab File ID :	F33725.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	13.2	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.7	U
136777-61-2	m,p-Xylenes	5.7	U
95-47-6	o-Xylene	5.7	U
1634-04-4	tert-butyl methyl ether	5.7	U
156-60-5	trans-1,2-dichloroethene	5.7	U
10061-02-6	trans-1,3-dichloropropene	5.7	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU20806
GPL ID: 211064-004-016-1/3
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/21/2002
Prep Time: 10:46
Prep Batch 57888

Analytical Method: SW8260B
Date Analyzed: 11/21/2002
Time Analyzed 14:24
Analysis Batch 57649

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.7	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.7	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.7	ug/kg	U	1
1,1-Dichloroethane	BQL	5.7	ug/kg	U	1
1,1-Dichloroethene	BQL	5.7	ug/kg	U	1
1,2-Dichloroethane	BQL	5.7	ug/kg	U	1
1,2-Dichloropropane	BQL	5.7	ug/kg	U	1
2-Butanone	BQL	11	ug/kg	U	1
2-Hexanone	BQL	11	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	11	ug/kg	U	1
Acetone	120	11	ug/kg	B	1
Acetone	150	11	ug/kg	B	1
Benzene	BQL	5.7	ug/kg	U	1
Bromodichloromethane	BQL	5.7	ug/kg	U	1
Bromoform	BQL	5.7	ug/kg	U	1
Bromomethane	BQL	11	ug/kg	U	1
Carbon Disulfide	BQL	5.7	ug/kg	U	1
Carbon Tetrachloride	BQL	5.7	ug/kg	U	1
Chlorobenzene	BQL	5.7	ug/kg	U	1
Chloroethane	BQL	11	ug/kg	U	1
Chloroform	BQL	5.7	ug/kg	U	1
Chloromethane	BQL	11	ug/kg	U	1
Dibromochloromethane	BQL	5.7	ug/kg	U	1
Ethylbenzene	BQL	5.7	ug/kg	U	1
Methylene Chloride	5.8	11	ug/kg	JB	1
Methylene Chloride	6.1	11	ug/kg	JB	1
Styrene	BQL	5.7	ug/kg	U	1
Tetrachloroethylene	BQL	5.7	ug/kg	U	1
Toluene	BQL	5.7	ug/kg	U	1
Trichloroethene	BQL	5.7	ug/kg	U	1
Vinyl Chloride	BQL	11	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.7	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.7	ug/kg	U	1
m,p-Xylenes	BQL	5.7	ug/kg	U	1
o-Xylene	BQL	5.7	ug/kg	U	1
tert-butyl methyl ether	BQL	5.7	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.7	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.7	ug/kg	U	1

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21206DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-001-003-3/3DL
Sample Volume :	5.01	Lab File ID :	E30598.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	18.78	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	99.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	610	U
79-34-5	1,1,2,2-Tetrachloroethane	610	U
79-00-5	1,1,2-Trichloroethane	610	U
75-34-3	1,1-Dichloroethane	610	U
75-35-4	1,1-Dichloroethene	610	U
107-06-2	1,2-Dichloroethane	610	U
78-87-5	1,2-Dichloropropane	610	U
78-93-3	2-Butanone	1200	U
591-78-6	2-Hexanone	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
67-64-1	Acetone	1200	U
71-43-2	Benzene	610	U
75-27-4	Bromodichloromethane	610	U
75-25-2	Bromoform	610	U
74-83-9	Bromomethane	1200	U
75-15-0	Carbon Disulfide	610	U
56-23-5	Carbon Tetrachloride	610	U
108-90-7	Chlorobenzene	610	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	610	U
74-87-3	Chloromethane	1200	U
124-48-1	Dibromochloromethane	610	U
100-41-4	Ethylbenzene	490	J
75-09-2	Methylene Chloride	1100	JB
100-42-5	Styrene	610	U
127-18-4	Tetrachloroethylene	610	U
108-88-3	Toluene	610	U
79-01-6	Trichloroethene	610	U
75-01-4	Vinyl Chloride	1200	U

1022R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21206DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-001-003-3/3DL
Sample Volume :	5.01	Lab File ID :	E30598.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	18.78	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	99.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	610	U
10061-01-5	cis-1,3-Dichloropropene	610	U
136777-61-2	m,p-Xylenes	780	
95-47-6	o-Xylene	1600	
1634-04-4	tert-butyl methyl ether	610	U
156-60-5	trans-1,2-dichloroethene	610	U
10061-02-6	trans-1,3-dichloropropene	610	U

1023R

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-002-004-1/9
Sample Volume :	4.85	Lab File ID :	F33702.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	12.91	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	86	B
71-43-2	Benzene	5.9	U
75-27-4	Bromodichloromethane	5.9	U
75-25-2	Bromoform	5.9	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
108-90-7	Chlorobenzene	5.9	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	5.9	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	5.9	U
75-09-2	Methylene Chloride	6.2	JB
100-42-5	Styrene	5.9	U
127-18-4	Tetrachloroethylene	5.9	U
108-88-3	Toluene	5.9	U
79-01-6	Trichloroethene	1.9	JB
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	5.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-002-004-1/9
Sample Volume :	4.85	Lab File ID :	F33702.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	12.91	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.9	U
136777-61-2	m,p-Xylenes	5.9	U
95-47-6	o-Xylene	5.9	U
1634-04-4	tert-butyl methyl ether	5.9	U
156-60-5	trans-1,2-dichloroethene	5.9	U
10061-02-6	trans-1,3-dichloropropene	5.9	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU21906
GPL ID: 211064-002-004-1/9
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/20/2002
Prep Time: 15:00
Prep Batch 57886

Analytical Method: SW8260B
Date Analyzed: 11/20/2002
Time Analyzed 20:18
Analysis Batch 57648

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.9	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.9	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.9	ug/kg	U	1
1,1-Dichloroethane	BQL	5.9	ug/kg	U	1
1,1-Dichloroethene	BQL	5.9	ug/kg	U	1
1,2-Dichloroethane	BQL	5.9	ug/kg	U	1
1,2-Dichloropropane	BQL	5.9	ug/kg	U	1
2-Butanone	BQL	12	ug/kg	U	1
2-Hexanone	BQL	12	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	12	ug/kg	U	1
Acetone	86	12	ug/kg	B	1
Benzene	BQL	5.9	ug/kg	U	1
Bromodichloromethane	BQL	5.9	ug/kg	U	1
Bromoform	BQL	5.9	ug/kg	U	1
Bromomethane	BQL	12	ug/kg	U	1
Carbon Disulfide	BQL	5.9	ug/kg	U	1
Carbon Tetrachloride	BQL	5.9	ug/kg	U	1
Chlorobenzene	BQL	5.9	ug/kg	U	1
Chloroethane	BQL	12	ug/kg	U	1
Chloroform	BQL	5.9	ug/kg	U	1
Chloromethane	BQL	12	ug/kg	U	1
Dibromochloromethane	BQL	5.9	ug/kg	U	1
Ethylbenzene	BQL	5.9	ug/kg	U	1
Methylene Chloride	6.2	12	ug/kg	JB	1
Styrene	BQL	5.9	ug/kg	U	1
Tetrachloroethylene	BQL	5.9	ug/kg	U	1
Toluene	BQL	5.9	ug/kg	U	1
Trichloroethene	1.9	5.9	ug/kg	JB	1
Vinyl Chloride	BQL	12	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.9	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.9	ug/kg	U	1
m,p-Xylenes	BQL	5.9	ug/kg	U	1
o-Xylene	BQL	5.9	ug/kg	U	1
tert-butyl methyl ether	BQL	5.9	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.9	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.9	ug/kg	U	1

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-005-021-3/3DL
Sample Volume :	4.68	Lab File ID :	E30602.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	11.3	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	106.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U
79-00-5	1,1,2-Trichloroethane	600	U
75-34-3	1,1-Dichloroethane	600	U
75-35-4	1,1-Dichloroethene	600	U
107-06-2	1,2-Dichloroethane	600	U
78-87-5	1,2-Dichloropropane	600	U
78-93-3	2-Butanone	1200	U
591-78-6	2-Hexanone	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
67-64-1	Acetone	1200	U
71-43-2	Benzene	600	U
75-27-4	Bromodichloromethane	600	U
75-25-2	Bromoform	600	U
74-83-9	Bromomethane	1200	U
75-15-0	Carbon Disulfide	600	U
56-23-5	Carbon Tetrachloride	600	U
108-90-7	Chlorobenzene	600	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	600	U
74-87-3	Chloromethane	1200	U
124-48-1	Dibromochloromethane	600	U
100-41-4	Ethylbenzene	860	
75-09-2	Methylene Chloride	760	JB
100-42-5	Styrene	600	U
127-18-4	Tetrachloroethylene	600	U
108-88-3	Toluene	600	U
79-01-6	Trichloroethene	600	U
75-01-4	Vinyl Chloride	1200	U

1052R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211064
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-005-021-3/3DL
Sample Volume :	4.68	Lab File ID :	E30602.D
Level :	Low	Date Received	11/12/2002
% Moisture: not dec	11.3	Date Analyzed	11/18/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	106.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	600	U
10061-01-5	cis-1,3-Dichloropropene	600	U
136777-61-2	m,p-Xylenes	4400	
95-47-6	o-Xylene	720	
1634-04-4	tert-butyl methyl ether	600	U
156-60-5	trans-1,2-dichloroethene	600	U
10061-02-6	trans-1,3-dichloropropene	600	U

1053R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22904

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-013-037-1/3
Sample Volume :	3.66	Lab File ID :	F33709.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	27.85	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	9.5	U
79-34-5	1,1,2,2-Tetrachloroethane	9.5	U
79-00-5	1,1,2-Trichloroethane	9.5	U
75-34-3	1,1-Dichloroethane	9.5	U
75-35-4	1,1-Dichloroethene	9.5	U
107-06-2	1,2-Dichloroethane	9.5	U
78-87-5	1,2-Dichloropropane	9.5	U
78-93-3	2-Butanone	19	U
591-78-6	2-Hexanone	19	U
108-10-1	4-Methyl-2-Pentanone	19	U
67-64-1	Acetone	69	B
71-43-2	Benzene	9.5	U
75-27-4	Bromodichloromethane	9.5	U
75-25-2	Bromoform	9.5	U
74-83-9	Bromomethane	19	U
75-15-0	Carbon Disulfide	9.5	U
56-23-5	Carbon Tetrachloride	9.5	U
108-90-7	Chlorobenzene	9.5	U
75-00-3	Chloroethane	19	U
67-66-3	Chloroform	9.5	U
74-87-3	Chloromethane	19	U
124-48-1	Dibromochloromethane	9.5	U
75-09-2	Methylene Chloride	9.7	JB
100-42-5	Styrene	9.5	U
127-18-4	Tetrachloroethylene	9.5	U
108-88-3	Toluene	9.5	U
79-01-6	Trichloroethene	9.5	U
75-01-4	Vinyl Chloride	19	U
156-59-2	cis-1,2-Dichloroethene	9.5	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22904

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-013-037-1/3
Sample Volume :	3.66	Lab File ID :	F33709.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	27.85	Date Analyzed	11/21/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	9.5	U
136777-61-2	m,p-Xylenes	9.5	U
95-47-6	o-Xylene	9.5	U
1634-04-4	tert-butyl methyl ether	9.5	U
156-60-5	trans-1,2-dichloroethene	9.5	U
10061-02-6	trans-1,3-dichloropropene	9.5	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU22904
GPL ID: 211064-013-037-1/3
Matrix: SOIL
Date Collected: 11/10/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/20/2002
Prep Time: 15:00
Prep Batch 57886

Analytical Method: SW8260B
Date Analyzed: 11/21/2002
Time Analyzed 00:40
Analysis Batch 57648

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	9.5	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	9.5	ug/kg	U	1
1,1,2-Trichloroethane	BQL	9.5	ug/kg	U	1
1,1-Dichloroethane	BQL	9.5	ug/kg	U	1
1,1-Dichloroethene	BQL	9.5	ug/kg	U	1
1,2-Dichloroethane	BQL	9.5	ug/kg	U	1
1,2-Dichloropropane	BQL	9.5	ug/kg	U	1
2-Butanone	BQL	19	ug/kg	U	1
2-Hexanone	BQL	19	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	19	ug/kg	U	1
Acetone	69	19	ug/kg	B	1
Benzene	BQL	9.5	ug/kg	U	1
Bromodichloromethane	BQL	9.5	ug/kg	U	1
Bromoform	BQL	9.5	ug/kg	U	1
Bromomethane	BQL	19	ug/kg	U	1
Carbon Disulfide	BQL	9.5	ug/kg	U	1
Carbon Tetrachloride	BQL	9.5	ug/kg	U	1
Chlorobenzene	BQL	9.5	ug/kg	U	1
Chloroethane	BQL	19	ug/kg	U	1
Chloroform	BQL	9.5	ug/kg	U	1
Chloromethane	BQL	19	ug/kg	U	1
Dibromochloromethane	BQL	9.5	ug/kg	U	1
Ethylbenzene	BQL	9.5	ug/kg	U	1
Methylene Chloride	9.7	19	ug/kg	JB	1
Styrene	BQL	9.5	ug/kg	U	1
Tetrachloroethylene	BQL	9.5	ug/kg	U	1
Toluene	BQL	9.5	ug/kg	U	1
Trichloroethene	BQL	9.5	ug/kg	U	1
Vinyl Chloride	BQL	19	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	9.5	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	9.5	ug/kg	U	1
m,p-Xylenes	BQL	9.5	ug/kg	U	1
o-Xylene	BQL	9.5	ug/kg	U	1
tert-butyl methyl ether	BQL	9.5	ug/kg	U	1
trans-1,2-dichloroethene	BQL	9.5	ug/kg	U	1
trans-1,3-dichloropropene	BQL	9.5	ug/kg	U	1

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU23006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-006-022-1/3
Sample Volume :	4.82	Lab File ID :	F33705.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	11.95	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	210	B
71-43-2	Benzene	5.2	U
75-27-4	Bromodichloromethane	5.2	U
75-25-2	Bromoform	5.2	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
108-90-7	Chlorobenzene	5.2	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.2	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	5.2	U
75-09-2	Methylene Chloride	5.1	JB
100-42-5	Styrene	5.2	U
127-18-4	Tetrachloroethylene	5.2	U
108-88-3	Toluene	5.2	U
79-01-6	Trichloroethene	5.2	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.2	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU23006

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211064
Case No.		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-006-022-1/3
Sample Volume :	4.82	Lab File ID :	F33705.D
Level	Low	Date Received	11/12/2002
% Moisture: not dec	11.95	Date Analyzed	11/20/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/kg

CAS NO	COMPOUND		Q
10061-01-5	cis-1,3-Dichloropropene	5.2	U
136777-61-2	m,p-Xylenes	5.2	U
95-47-6	o-Xylene	5.2	U
1634-04-4	tert-butyl methyl ether	5.2	U
156-60-5	trans-1,2-dichloroethene	5.2	U
10061-02-6	trans-1,3-dichloropropene	5.2	U

GPL LABORATORIES, LLLP

Summary of Analytical Results

Client ID CEF-293-SU23006
GPL ID: 211064-006-022-1/3
Matrix: SOIL
Date Collected: 11/11/2002
Date Received: 11/12/2002

Prep Method: SW5035
Prep Date: 11/20/2002
Prep Time: 15:00
Prep Batch 57886

Analytical Method: SW8260B
Date Analyzed: 11/20/2002
Time Analyzed 22:09
Analysis Batch 57648

Parameter	Result	Rep Limit	Units	Qualifier	D.F.
1,1,1-Trichloroethane	BQL	5.2	ug/kg	U	1
1,1,2,2-Tetrachloroethane	BQL	5.2	ug/kg	U	1
1,1,2-Trichloroethane	BQL	5.2	ug/kg	U	1
1,1-Dichloroethane	BQL	5.2	ug/kg	U	1
1,1-Dichloroethene	BQL	5.2	ug/kg	U	1
1,2-Dichloroethane	BQL	5.2	ug/kg	U	1
1,2-Dichloropropane	BQL	5.2	ug/kg	U	1
2-Butanone	BQL	10	ug/kg	U	1
2-Hexanone	BQL	10	ug/kg	U	1
4-Methyl-2-Pentanone	BQL	10	ug/kg	U	1
Acetone	210	10	ug/kg	B	1
Benzene	BQL	5.2	ug/kg	U	1
Bromodichloromethane	BQL	5.2	ug/kg	U	1
Bromoform	BQL	5.2	ug/kg	U	1
Bromomethane	BQL	10	ug/kg	U	1
Carbon Disulfide	BQL	5.2	ug/kg	U	1
Carbon Tetrachloride	BQL	5.2	ug/kg	U	1
Chlorobenzene	BQL	5.2	ug/kg	U	1
Chloroethane	BQL	10	ug/kg	U	1
Chloroform	BQL	5.2	ug/kg	U	1
Chloromethane	BQL	10	ug/kg	U	1
Dibromochloromethane	BQL	5.2	ug/kg	U	1
Ethylbenzene	BQL	5.2	ug/kg	U	1
Methylene Chloride	5.1	10	ug/kg	JB	1
Styrene	BQL	5.2	ug/kg	U	1
Tetrachloroethylene	BQL	5.2	ug/kg	U	1
Toluene	BQL	5.2	ug/kg	U	1
Trichloroethene	BQL	5.2	ug/kg	U	1
Vinyl Chloride	BQL	10	ug/kg	U	1
cis-1,2-Dichloroethene	BQL	5.2	ug/kg	U	1
cis-1,3-Dichloropropene	BQL	5.2	ug/kg	U	1
m,p-Xylenes	BQL	5.2	ug/kg	U	1
o-Xylene	BQL	5.2	ug/kg	U	1
tert-butyl methyl ether	BQL	5.2	ug/kg	U	1
trans-1,2-dichloroethene	BQL	5.2	ug/kg	U	1
trans-1,3-dichloropropene	BQL	5.2	ug/kg	U	1

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU12DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-010-047-1/1
Sample Volume :	30	Lab File ID :	C34284.D
% Moisture:	16.45	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	7000	
91-57-6	2-Methylnaphthalene	7900	
83-32-9	Acenaphthene	80	U
208-96-8	Acenaphthylene	80	U
120-12-7	Anthracene	80	U
56-55-3	Benzo(a)anthracene	80	U
50-32-8	Benzo(a)pyrene	80	U
205-99-2	Benzo(b)fluoranthene	80	U
191-24-2	Benzo(g,h,i)perylene	80	U
207-08-9	Benzo(k)fluoranthene	80	U
218-01-9	Chrysene	80	U
53-70-3	Dibenz(a,h)Anthracene	80	U
206-44-0	Fluoranthene	80	U
86-73-7	Fluorene	80	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	80	U
91-20-3	Naphthalene	3100	
85-01-8	Phenanthrene	80	U
129-00-0	Pyrene	80	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20308

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-009-046-1/1
Sample Volume :	30	Lab File ID :	C34266.D
% Moisture:	13.88	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	130	
91-57-6	2-Methylnaphthalene	180	
83-32-9	Acenaphthene	3.9	U
208-96-8	Acenaphthylene	3.9	U
120-12-7	Anthracene	3.9	U
56-55-3	Benzo(a)anthracene	3.9	U
50-32-8	Benzo(a)pyrene	3.9	U
205-99-2	Benzo(b)fluoranthene	3.9	U
191-24-2	Benzo(g,h,i)perylene	3.9	U
207-08-9	Benzo(k)fluoranthene	3.9	U
218-01-9	Chrysene	3.9	U
53-70-3	Dibenz(a,h)Anthracene	3.9	U
206-44-0	Fluoranthene	3.9	U
86-73-7	Fluorene	3.9	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.9	U
91-20-3	Naphthalene	26	
85-01-8	Phenanthrene	3.9	U
129-00-0	Pyrene	3.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20706DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-003-044-1/1
Sample Volume :	30	Lab File ID :	C34285.D
% Moisture:	13.55	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	77	U
91-57-6	2-Methylnaphthalene	77	U
83-32-9	Acenaphthene	77	U
208-96-8	Acenaphthylene	77	U
120-12-7	Anthracene	77	U
56-55-3	Benzo(a)anthracene	77	U
50-32-8	Benzo(a)pyrene	77	U
205-99-2	Benzo(b)fluoranthene	77	U
191-24-2	Benzo(g,h,i)perylene	77	U
207-08-9	Benzo(k)fluoranthene	77	U
218-01-9	Chrysene	77	U
53-70-3	Dibenz(a,h)Anthracene	77	U
206-44-0	Fluoranthene	77	U
86-73-7	Fluorene	77	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	77	U
91-20-3	Naphthalene	77	U
85-01-8	Phenanthrene	77	U
129-00-0	Pyrene	77	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-004-045-1/1
Sample Volume :	30	Lab File ID :	C34283.D
% Moisture:	13.2	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	39000	E
91-57-6	2-Methylnaphthalene	63000	E
83-32-9	Acenaphthene	77	U
208-96-8	Acenaphthylene	77	U
120-12-7	Anthracene	77	U
56-55-3	Benzo(a)anthracene	77	U
50-32-8	Benzo(a)pyrene	77	U
205-99-2	Benzo(b)fluoranthene	77	U
191-24-2	Benzo(g,h,i)perylene	77	U
207-08-9	Benzo(k)fluoranthene	77	U
218-01-9	Chrysene	77	U
53-70-3	Dibenz(a,h)Anthracene	77	U
206-44-0	Fluoranthene	77	U
86-73-7	Fluorene	1100	
193-39-5	Indeno(1,2,3-c,d)Pyrene	77	U
91-20-3	Naphthalene	20000	E
85-01-8	Phenanthrene	77	U
129-00-0	Pyrene	77	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20806DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-004-045-1/1
Sample Volume :	30	Lab File ID :	C34416.D
% Moisture:	13.2	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µL	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	50000	
91-57-6	2-Methylnaphthalene	68000	
83-32-9	Acenaphthene	380	U
208-96-8	Acenaphthylene	380	U
120-12-7	Anthracene	380	U
56-55-3	Benzo(a)anthracene	380	U
50-32-8	Benzo(a)pyrene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
218-01-9	Chrysene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
206-44-0	Fluoranthene	380	U
86-73-7	Fluorene	380	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	380	U
91-20-3	Naphthalene	32000	
85-01-8	Phenanthrene	380	U
129-00-0	Pyrene	380	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21206DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-001-040-1/1
Sample Volume :	30	Lab File ID :	C34282.D
% Moisture:	18.78	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	11000	
91-57-6	2-Methylnaphthalene	16000	
83-32-9	Acenaphthene	82	U
208-96-8	Acenaphthylene	82	U
120-12-7	Anthracene	82	U
56-55-3	Benzo(a)anthracene	82	U
50-32-8	Benzo(a)pyrene	82	U
205-99-2	Benzo(b)fluoranthene	82	U
191-24-2	Benzo(g,h,i)perylene	82	U
207-08-9	Benzo(k)fluoranthene	82	U
218-01-9	Chrysene	82	U
53-70-3	Dibenz(a,h)Anthracene	82	U
206-44-0	Fluoranthene	82	U
86-73-7	Fluorene	82	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	82	U
91-20-3	Naphthalene	7300	
85-01-8	Phenanthrene	82	U
129-00-0	Pyrene	82	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-002-041-1/3
Sample Volume :	30	Lab File ID :	C34260.D
% Moisture:	12.91	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	12	
91-57-6	2-Methylnaphthalene	15	
83-32-9	Acenaphthene	3.8	U
208-96-8	Acenaphthylene	3.8	U
120-12-7	Anthracene	3.8	U
56-55-3	Benzo(a)anthracene	3.8	U
50-32-8	Benzo(a)pyrene	3.8	U
205-99-2	Benzo(b)fluoranthene	3.8	U
191-24-2	Benzo(g,h,i)perylene	3.8	U
207-08-9	Benzo(k)fluoranthene	3.8	U
218-01-9	Chrysene	3.8	U
53-70-3	Dibenz(a,h)Anthracene	3.8	U
206-44-0	Fluoranthene	3.8	U
86-73-7	Fluorene	3.8	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.8	U
91-20-3	Naphthalene	3.8	U
85-01-8	Phenanthrene	3.8	U
129-00-0	Pyrene	3.8	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22404DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-011-048-1/1
Sample Volume :	30	Lab File ID :	C34286.D
% Moisture:	21.58	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	85	U
91-57-6	2-Methylnaphthalene	85	U
83-32-9	Acenaphthene	85	U
208-96-8	Acenaphthylene	85	U
120-12-7	Anthracene	85	U
56-55-3	Benzo(a)anthracene	85	U
50-32-8	Benzo(a)pyrene	85	U
205-99-2	Benzo(b)fluoranthene	85	U
191-24-2	Benzo(g,h,i)perylene	85	U
207-08-9	Benzo(k)fluoranthene	85	U
218-01-9	Chrysene	85	U
53-70-3	Dibenz(a,h)Anthracene	85	U
206-44-0	Fluoranthene	85	U
86-73-7	Fluorene	85	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	85	U
91-20-3	Naphthalene	85	U
85-01-8	Phenanthrene	85	U
129-00-0	Pyrene	85	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22704

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-012-049-1/1
Sample Volume :	30	Lab File ID :	C34281.D
% Moisture:	12.59	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	6.9	
91-57-6	2-Methylnaphthalene	9.5	
83-32-9	Acenaphthene	3.8	U
208-96-8	Acenaphthylene	3.8	U
120-12-7	Anthracene	3.8	U
56-55-3	Benzo(a)anthracene	3.8	U
50-32-8	Benzo(a)pyrene	3.8	U
205-99-2	Benzo(b)fluoranthene	3.8	U
191-24-2	Benzo(g,h,i)perylene	3.8	U
207-08-9	Benzo(k)fluoranthene	3.8	U
218-01-9	Chrysene	3.8	U
53-70-3	Dibenz(a,h)Anthracene	3.8	U
206-44-0	Fluoranthene	3.8	U
86-73-7	Fluorene	3.8	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.8	U
91-20-3	Naphthalene	6.5	
85-01-8	Phenanthrene	3.8	U
129-00-0	Pyrene	3.8	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22904

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-013-050-1/1
Sample Volume :	30	Lab File ID :	C34267.D
% Moisture:	27.85	Date Received	11/12/2002
Extraction:	SW3550-LL	Date Extracted:	11/13/2002
Extract Volume:	1 mL	Date Analyzed	11/20/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	120	
91-57-6	2-Methylnaphthalene	160	
83-32-9	Acenaphthene	4.6	U
208-96-8	Acenaphthylene	4.6	U
120-12-7	Anthracene	4.6	U
56-55-3	Benzo(a)anthracene	4.6	U
50-32-8	Benzo(a)pyrene	4.6	U
205-99-2	Benzo(b)fluoranthene	4.6	U
191-24-2	Benzo(g,h,i)perylene	4.6	U
207-08-9	Benzo(k)fluoranthene	4.6	U
218-01-9	Chrysene	4.6	U
53-70-3	Dibenz(a,h)Anthracene	4.6	U
206-44-0	Fluoranthene	4.6	U
86-73-7	Fluorene	4.6	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	4.6	U
91-20-3	Naphthalene	35	
85-01-8	Phenanthrene	4.6	U
129-00-0	Pyrene	4.6	U

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-DU12 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-010-047-1/1
Sample Volume :	30	Lab File ID :	M12162.D
% Moisture:	16.45	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	4300	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20104

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-016-055-1/2
Sample Volume :	30	Lab File ID :	M12150.D
% Moisture:	15.05	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	140	

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20204

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-017-057-1/1
Sample Volume :	30	Lab File ID :	M12157.D
% Moisture:	18.07	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	5.3	J

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20304

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-015-054-1/1
Sample Volume :	30	Lab File ID :	M12149.D
% Moisture:	34.82	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	72	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20308

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-009-046-1/1
Sample Volume :	30	Lab File ID :	M12144.D
% Moisture:	13.88	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.6	U

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20404

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-018-058-1/1
Sample Volume :	30	Lab File ID :	M12154.D
% Moisture:	14.95	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.7	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20706 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-003-044-1/1
Sample Volume :	30	Lab File ID :	M12160.D
% Moisture:	13.55	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	5
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	1500	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20806 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-004-045-1/1
Sample Volume :	30	Lab File ID :	M12192.D
% Moisture:	13.2	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	20000	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21206 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-001-040-1/1
Sample Volume :	30	Lab File ID :	M12159.D
% Moisture:	18.78	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	8300	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21906

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-002-041-1/3
Sample Volume :	30	Lab File ID :	M12139.D
% Moisture:	12.91	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/14/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.5	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22804 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-014-053-1/1
Sample Volume :	30	Lab File ID :	M12163.D
% Moisture:	19.33	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/13/2002
Extract Volume:	2 mL	Date Analyzed	11/15/2002
Injection Volume :	2 µL	Dilution Factor :	5
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	1200	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22904

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211064
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211064-013-051-1/1
Sample Volume :	30	Lab File ID :	M12295.D
% Moisture:	27.85	Date Received	11/12/2002
Extraction:	SW3550	Date Extracted:	11/25/2002
Extract Volume:	2 mL	Date Analyzed	11/27/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	7.9	U

1B
TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU20706

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211064 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211064-003-044-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12333.D

Level: (low/med) LOW Date Received: 11/12/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

Concentration breakdown by approximate carbon number range (mg/Kg)

	C_8-C_{10}	C_{10}-C_{12}	C_{12}-C_{14}	C_{14}-C_{16}	C_{16}-C_{18}	C_{18}-C_{20}	C_{20}-C_{22}	C_{22}-C_{24}	C_{24}-C_{26}	C_{26}-C_{28}	C_{28}-C_{30}	C_{30}-C_{32}	C_{32}-C_{34}	C_{34}-C_{36}	>C_{36}
	Aliphatic														
CEF-293-SU20706	4.02	55.74	374.68	198.44	9.59	4.33	3.59	1.95	0.92	1.63	0.57	0.44	0.38	0.00	1.83
CEF-293-SU21606	437.58	2235.90	2391.68	724.11	74.19	47.74	17.35	4.60	1.75	2.25	1.86	2.97	0.75	0.00	1.98
CEF-293-SU21706	611.56	2740.43	3687.80	897.91	59.46	6.58	4.51	2.88	1.06	0.83	0.48	0.00	0.35	0.00	2.93
	Aromatic														
CEF-293-SU20706	ND														
CEF-293-SU21606	50.68	19.73	29.76	36.54	2.49	2.18	3.00	11.09	0.45	0.39	0.24	0.00	0.00	0.00	1.29
CEF-293-SU21706	14.32	4.44	6.71	7.40	0.45	0.27	0.27	0.29	0.17	0.11	0.06	0.23	0.35	0.13	0.26

Concentration breakdown by approximate carbon number range (mg/Kg)

	C_8-C_{10}	C_{10}-C_{12}	C_{12}-C_{14}	C_{14}-C_{16}	C_{16}-C_{18}	C_{18}-C_{20}	C_{20}-C_{22}	C_{22}-C_{24}	$C_{24}C_{26}$	C_{26}-C_{28}	C_{28}-C_{30}	C_{30}-C_{32}	C_{32}-C_{34}	C_{34}-C_{36}	$>C_{36}$
	Aliphatic														
CEF-293-SU20706	4.02	55.74	374.68	198.44	9.59	4.33	3.59	1.95	0.92	1.63	0.57	0.44	0.38	0.00	1.83
CEF-293-SU21606	437.58	2235.90	2391.68	724.11	74.19	47.74	17.35	4.60	1.75	2.25	1.86	2.97	0.75	0.00	1.98
CEF-293-SU21706	611.56	2740.43	3687.80	897.91	59.46	6.58	4.51	2.88	1.06	0.83	0.48	0.00	0.35	0.00	2.93
Blank Spike	7.94	7.35	10.09	19.10	7.76	11.59	5.63	4.55	8.23	4.11	0.25	3.46	0.22	3.03	0.50
CC M12666	271.018	290.029	306.401	304.214	298.914	285.714	299.989	294.936	302.578	307.208	299.816	299.219	287.348	259.2	462.571
CC M12675	262.148	258.194	258.118	257.891	252.699	270.832	250.88	241.366	241.772	245.158	243.567	245.315	246.352	233.357	435.625
CC M12684	285.597	281.065	281.301	281.32	275.277	287.568	273.383	263.964	263.302	266.974	266.159	268.414	268.664	251.141	460.363
	Aromatic														
CEF-293-SU20706	ND														
CEF-293-SU21606	50.68	19.73	29.76	36.54	2.49	2.18	3.00	11.09	0.45	0.39	0.24	0.00	0.00	0.00	1.29
CEF-293-SU21706	14.32	4.44	6.71	7.40	0.45	0.27	0.27	0.29	0.17	0.11	0.06	0.23	0.35	0.13	0.26
Blank Spike	26.03	1.70	2.22	18.44	3.67	7.83	10.82	0.86	9.91	1.03	13.40	1.32	12.05	0.26	0.50

4003A

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**APRIL 3, 2003**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/PAH/TPH CTO 078, NAS CECIL FIELD SDG 211072**		
SAMPLES:	8/Soil		

CEF-293-SU-204-08	CEF-293-SU-205-08	CEF-293-SU-216-06
CEF-293-SU-217-06*	CEF-293-SU-218-06	CEF-293-SU-220-06
CEF-293-SU-221-06	CEF-293-SU-222-06	

OVERVIEW

The sample set for CTO 078, NAS Cecil Field, SDG 211072 consists of eight (8) environmental soil samples. All samples were analyzed for volatile organic compounds (VOC), polynuclear aromatic hydrocarbons (PAH), and total petroleum hydrocarbons (TPH). The sample denoted with an asterisk (*) was also analyzed for all the aforementioned fractions after an SPLP was performed on it. Samples CEF-293-SU-216-06 and CEF-293-SU-217-06 also had an SPLP performed on them and were analyzed for VOC, PAH, and TPH. The same two samples were also analyzed for TPHCWG.

The samples were collected by TetraTech NUS on November 12, 2002 and analyzed by GPL Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B and 8270C and Florida-PRO analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- Holding times
- Initial and continuing calibration
- Laboratory method and field quality control blank results
- Detection Limits
- Internal Standards

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

The following compound was detected in the non-SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	11 µg/kg	110 µg/kg

Sample aliquot, percent solids, and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The following compound was detected in the SPLP method blank:

Compound	Maximum Concentration	Blank Action Level
Methylene Chloride	110 µg/L	1100 µg/L
Acetone	90 µg/L	900 µg/L

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. All positive results for methylene chloride below the blank action level were qualified as non-detected (U).

The SPLP extraction was performed outside of the 14-day holding time. The extraction was performed 15 days after collection. All results for SPLP analysis were qualified as estimated (J, UJ).

The initial calibration on November 12 on the HP#E instrument was below the 0.05 relative response factor (RRF) quality control criteria for 2-butanone. No qualifications were made on this basis because no results for 2-butanone were calculated using this calibration.

The continuing calibration on November 19 at 13:36 was below the 0.05 RRF quality control criteria for 2-butanone. No qualifications were made on this basis because no results for 2-butanone were calculated using this calibration.

The SPLP initial calibration on November 19 was below the 0.05 relative response factor (RRF) quality control criteria for acetone and 2-butanone. The non-detected SPLP result for 2-butanone was rejected (UR). No qualifications were made to the positive SPLP result for acetone because it was qualified for method blank contamination.

The SPLP continuing calibration on December 4 at 13:23 was below the 0.05 RRF quality control criteria for 2-butanone. The non-detected SPLP results for 2-butanone were rejected (UR).

Samples CEF-293-SU-217-06, CEF-293-SU-218-06, and CEF-293-SU-220-06 were analyzed at dilutions because the concentration of target analytes present exceeded the linear calibration range of the instrument. These samples were not analyzed un-diluted. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples.

Sample CEF-293-SU-216-06 exceeded the linear calibration range of the instrument for acetone. The sample was not analyzed at a dilution. The result for acetone in sample CEF-293-SU-216-06 was qualified as estimated (J).

The result for acetone on the EDD from the SPLP sample CEF-293-SU-217-06 did not match the result on the Form I. The result from the Form I was used for validation. No qualifications were made on this basis.

The SPLP samples were analyzed at a 10X dilution. This accounts for the elevated reporting limits for all non-detected compounds.

Samples CEF-293-SU22006, CEF-293-SU21806, and CEF-293-SU-217-06 were analyzed by medium level extraction because the concentration of target analytes exceeded the linear calibration range of the instrument. The positive results for the compounds analyzed via the medium level procedure were incorrectly calculated by the laboratory. The laboratory did not correctly account for the dilution factor, actual sample weight, and percent moisture. The laboratory was requested to re-calculate and resubmit all results reported from the medium level extractions. The laboratory provided the results upon request.

PAH

At least one surrogate had <10% recovery in samples CEF-293-SU-216-06, CEF-293-SU-217-06, CEF-293-SU-218-06, and CEF-293-SU-220-06. No qualifications were made on this basis because the samples were analyzed with at least a 10X dilution.

Samples CEF-293-SU-216-06, CEF-293-SU-217-06, CEF-293-SU-218-06, and CEF-293-SU-220-06 were analyzed at dilutions because the concentration of target analytes present exceeded the linear calibration range of the instrument. These samples were not analyzed un-diluted. This accounts for the elevated reporting limits for all non-detected compounds in the aforementioned samples.

The internal standard naphthalene-d8 was below the 50% (and was <10%) recovery quality control criteria in sample CEF-293-SU-216-06. The results for 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene were qualified as estimated (J, UJ) in the aforementioned sample. Several other internal standards were slightly below the 50% recovery quality control criteria, but no action was taken because the data was not significantly affected.

TPH

The laboratory initially submitted a total TPH only. The laboratory was requested to submit TPH fractionation data per the lab spec. The laboratory then submitted TPH aromatic and TPH aliphatic data which was still not acceptable. After the laboratory was informed that this wasn't acceptable, TPH fractionation results were provided. The results were not supported by calibrations and QC data. The validator requested that the laboratory provide the missing calibrations and QC. The data for percent recoveries of the blank spike was then provided, however, the laboratory had to be asked for the spiked concentrations so the recoveries could be verified. The laboratory submitted the spiked concentrations upon request. No calibrations of individual TPH fractions or electronic data deliverable (EDD) for TPH fractions were ever provided. None of the TPH fractionation data could be validated completely because the calibrations were never provided. Without calibration data it is impossible to determine if the method was performed within specified tolerances or to determine if the results provided were calculated correctly. As a result all TPH fractionation results were qualified as estimated (J and UJ).

There were several results in the TPH fractionation data that were reported as "0" on the hardcopy. These results were represented as 0.05U mg/kg in the EDD. The values in the EDD were used for validation even though there were no method blank or reporting limits for the fractionation data to verify a reporting limit.

TO: M. SPERANZA – PAGE 4
DATE: APRIL 3, 2003

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were assigned based on calibration non-compliances, method blank contamination, and internal standard recovery non-compliances.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines (September, 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration (i.e., % RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
D = MS/MSD Noncompliance
E = LCS/LCSD Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - include ICSAB % R's
L = Instrument Calibration Range Exceedance
M = Sample Preservation
N = Internal Standard Noncompliance
N01 = Internal Standard Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = Pest/PCD% between columns for positive results
V = Non-linear calibrations, tuning $r < 0.995$ (correlation coefficient)
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: 211072 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-036-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	100	UJ	H
1,1,2,2-TETRACHLOROETHANE	100	UJ	H
1,1,2-TRICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHANE	100	UJ	H
1,1-DICHLOROETHENE	100	UJ	H
1,2-DICHLOROETHANE	100	UJ	H
1,2-DICHLOROPROPANE	100	UJ	H
2-BUTANONE	100	UR	C
2-HEXANONE	100	UJ	H
4-METHYL-2-PENTANONE	100	UJ	H
ACETONE	110	U	A
BENZENE	100	UJ	H
BROMODICHLOROMETHANE	100	UJ	H
BROMOFORM	100	UJ	H
BROMOMETHANE	100	UJ	H
CARBON DISULFIDE	100	UJ	H
CARBON TETRACHLORIDE	100	UJ	H
CHLOROBENZENE	100	UJ	H
CHLORODIBROMOMETHANE	100	UJ	H
CHLOROETHANE	100	UJ	H
CHLOROFORM	100	UJ	H
CHLOROMETHANE	100	UJ	H
CIS-1,2-DICHLOROETHENE	100	UJ	H
CIS-1,3-DICHLOROPROPENE	100	UJ	H
ETHYLBENZENE	100	UJ	H
M+P-XYLENES	51	J	HP
METHYL TERT-BUTYL ETHER	100	UJ	H
METHYLENE CHLORIDE	420	U	A
O-XYLENE	24	J	HP
STYRENE	100	UJ	H

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-036-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	100	UJ	H
TOLUENE	100	UJ	H
TRANS-1,2-DICHLOROETHENE	100	UJ	H
TRANS-1,3-DICHLOROPROPENE	100	UJ	H
TRICHLOROETHENE	100	UJ	H
VINYL CHLORIDE	100	UJ	H

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-204-08
samp_date	11/12/2002
lab_id	211072-001-001-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.4	U	
1,1,2,2-TETRACHLOROETHANE	5.4	U	
1,1,2-TRICHLOROETHANE	5.4	U	
1,1-DICHLOROETHANE	5.4	U	
1,1-DICHLOROETHENE	5.4	U	
1,2-DICHLOROETHANE	5.4	U	
1,2-DICHLOROPROPANE	5.4	U	
2-BUTANONE	11	U	
2-HEXANONE	11	U	
4-METHYL-2-PENTANONE	11	U	
ACETONE	15		
BENZENE	5.4	U	
BROMODICHLOROMETHANE	5.4	U	
BROMOFORM	5.4	U	
BROMOMETHANE	11	U	
CARBON DISULFIDE	5.4	U	
CARBON TETRACHLORIDE	5.4	U	
CHLOROBENZENE	5.4	U	
CHLORODIBROMOMETHANE	5.4	U	
CHLOROETHANE	11	U	
CHLOROFORM	5.4	U	
CHLOROMETHANE	11	U	
CIS-1,2-DICHLOROETHENE	5.4	U	
CIS-1,3-DICHLOROPROPENE	5.4	U	
ETHYLBENZENE	1.2	J	P
M+P-XYLENES	4.1	J	P
METHYL TERT-BUTYL ETHER	5.4	U	
METHYLENE CHLORIDE	11	U	A
O-XYLENE	1.9	J	P
STYRENE	5.4	U	

nsample	CEF-293-SU-204-08
samp_date	11/12/2002
lab_id	211072-001-001-1/3
qc_type	NM
units	UG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.4	U	
TOLUENE	5.4	U	
TRANS-1,2-DICHLOROETHENE	5.4	U	
TRANS-1,3-DICHLOROPROPENE	5.4	U	
TRICHLOROETHENE	5.4	U	
VINYL CHLORIDE	11	U	

nsample	CEF-293-SU-205-08
samp_date	11/12/2002
lab_id	211072-002-004-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.8	U	
1,1,2,2-TETRACHLOROETHANE	5.8	U	
1,1,2-TRICHLOROETHANE	5.8	U	
1,1-DICHLOROETHANE	5.8	U	
1,1-DICHLOROETHENE	5.8	U	
1,2-DICHLOROETHANE	5.8	U	
1,2-DICHLOROPROPANE	5.8	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	16		
BENZENE	5.8	U	
BROMODICHLOROMETHANE	5.8	U	
BROMOFORM	5.8	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	5.8	U	
CARBON TETRACHLORIDE	5.8	U	
CHLOROBENZENE	5.8	U	
CHLORODIBROMOMETHANE	5.8	U	
CHLOROETHANE	12	U	
CHLOROFORM	5.8	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	5.8	U	
CIS-1,3-DICHLOROPROPENE	5.8	U	
ETHYLBENZENE	9.4		
M+P-XYLENES	35		
METHYL TERT-BUTYL ETHER	5.8	U	
METHYLENE CHLORIDE	12	U	A
O-XYLENE	20		
STYRENE	5.8	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-205-08
samp_date	11/12/2002
lab_id	211072-002-004-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.8	U	
TOLUENE	5.8	U	
TRANS-1,2-DICHLOROETHENE	5.8	U	
TRANS-1,3-DICHLOROPROPENE	5.8	U	
TRICHLOROETHENE	5.8	U	
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-019-1/3
qc_type	NM
units	UG/KG
Pct_Solids	93
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.1	U	
1,1,2,2-TETRACHLOROETHANE	5.1	U	
1,1,2-TRICHLOROETHANE	5.1	U	
1,1-DICHLOROETHANE	5.1	U	
1,1-DICHLOROETHENE	5.1	U	
1,2-DICHLOROETHANE	5.1	U	
1,2-DICHLOROPROPANE	5.1	U	
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	960	J	L
BENZENE	5.1	U	
BROMODICHLOROMETHANE	5.1	U	
BROMOFORM	5.1	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.1	U	
CARBON TETRACHLORIDE	5.1	U	
CHLOROBENZENE	5.1	U	
CHLORODIBROMOMETHANE	5.1	U	
CHLOROETHANE	10	U	
CHLOROFORM	5.1	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5.1	U	
CIS-1,3-DICHLOROPROPENE	5.1	U	
ETHYLBENZENE	5.1	U	
M+P-XYLENES	5.1	U	
METHYL TERT-BUTYL ETHER	5.1	U	
METHYLENE CHLORIDE	10	U	A
O-XYLENE	5.1	U	
STYRENE	5.1	U	

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-019-1/3
qc_type	NM
units	UG/KG
Pct_Solids	93
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	5.1	U	
TOLUENE	5.1	U	
TRANS-1,2-DICHLOROETHENE	5.1	U	
TRANS-1,3-DICHLOROPROPENE	5.1	U	
TRICHLOROETHENE	5.1	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-022-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	490	U	
1,1,2,2-TETRACHLOROETHANE	490	U	
1,1,2-TRICHLOROETHANE	490	U	
1,1-DICHLOROETHANE	490	U	
1,1-DICHLOROETHENE	490	U	
1,2-DICHLOROETHANE	490	U	
1,2-DICHLOROPROPANE	490	U	
2-BUTANONE	970	U	
2-HEXANONE	970	U	
4-METHYL-2-PENTANONE	970	U	
ACETONE	970	U	
BENZENE	490	U	
BROMODICHLOROMETHANE	490	U	
BROMOFORM	490	U	
BROMOMETHANE	970	U	
CARBON DISULFIDE	490	U	
CARBON TETRACHLORIDE	490	U	
CHLOROBENZENE	490	U	
CHLORODIBROMOMETHANE	490	U	
CHLOROETHANE	970	U	
CHLOROFORM	490	U	
CHLOROMETHANE	970	U	
CIS-1,2-DICHLOROETHENE	490	U	
CIS-1,3-DICHLOROPROPENE	490	U	
ETHYLBENZENE	12000		
M+P-XYLENES	53000		
METHYL TERT-BUTYL ETHER	490	U	
METHYLENE CHLORIDE	970	U	
O-XYLENE	14000		
STYRENE	490	U	

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-022-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	49	U	
TOLUENE	2100		
TRANS-1,2-DICHLOROETHENE	490	U	
TRANS-1,3-DICHLOROPROPENE	490	U	
TRICHLOROETHENE	490	U	
VINYL CHLORIDE	970	U	

nsample	CEF-293-SU-218-06
samp_date	11/12/2002
lab_id	211072-006-016-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	600	U	
1,1,2,2-TETRACHLOROETHANE	600	U	
1,1,2-TRICHLOROETHANE	600	U	
1,1-DICHLOROETHANE	600	U	
1,1-DICHLOROETHENE	600	U	
1,2-DICHLOROETHANE	600	U	
1,2-DICHLOROPROPANE	600	U	
2-BUTANONE	1200	U	
2-HEXANONE	1200	U	
4-METHYL-2-PENTANONE	1200	U	
ACETONE	1200	U	
BENZENE	600	U	
BROMODICHLOROMETHANE	600	U	
BROMOFORM	600	U	
BROMOMETHANE	1200	U	
CARBON DISULFIDE	600	U	
CARBON TETRACHLORIDE	600	U	
CHLOROBENZENE	600	U	
CHLORODIBROMOMETHANE	600	U	
CHLOROETHANE	1200	U	
CHLOROFORM	600	U	
CHLOROMETHANE	1200	U	
CIS-1,2-DICHLOROETHENE	600	U	
CIS-1,3-DICHLOROPROPENE	600	U	
ETHYLBENZENE	4300		
M+P-XYLENES	8400		
METHYL TERT-BUTYL ETHER	600	U	
METHYLENE CHLORIDE	1200	U	A
O-XYLENE	6300		
STYRENE	600	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-218-06
samp_date	11/12/2002
lab_id	211072-006-016-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	600	U	
TOLUENE	600	U	
TRANS-1,2-DICHLOROETHENE	600	U	
TRANS-1,3-DICHLOROPROPENE	600	U	
TRICHLOROETHENE	600	U	
VINYL CHLORIDE	1200	U	

nsample	CEF-293-SU-220-06
samp_date	11/12/2002
lab_id	211072-004-010-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	83
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	570	U	
1,1,2,2-TETRACHLOROETHANE	570	U	
1,1,2-TRICHLOROETHANE	570	U	
1,1-DICHLOROETHANE	570	U	
1,1-DICHLOROETHENE	570	U	
1,2-DICHLOROETHANE	570	U	
1,2-DICHLOROPROPANE	570	U	
2-BUTANONE	1100	U	
2-HEXANONE	1100	U	
4-METHYL-2-PENTANONE	1100	U	
ACETONE	1100	U	
BENZENE	570	U	
BROMODICHLOROMETHANE	570	U	
BROMOFORM	570	U	
BROMOMETHANE	1100	U	
CARBON DISULFIDE	570	U	
CARBON TETRACHLORIDE	570	U	
CHLOROBENZENE	570	U	
CHLORODIBROMOMETHANE	570	U	
CHLOROETHANE	1100	U	
CHLOROFORM	570	U	
CHLOROMETHANE	1100	U	
CIS-1,2-DICHLOROETHENE	570	U	
CIS-1,3-DICHLOROPROPENE	570	U	
ETHYLBENZENE	660		
M+P-XYLENES	2100		
METHYL TERT-BUTYL ETHER	570	U	
METHYLENE CHLORIDE	1100	U	A
O-XYLENE	1600		
STYRENE	570	U	

nsample	CEF-293-SU-220-06
samp_date	11/12/2002
lab_id	211072-004-010-1/3DL
qc_type	NM
units	UG/KG
Pct_Solids	83
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	570	U	
TOLUENE	570	U	
TRANS-1,2-DICHLOROETHENE	570	U	
TRANS-1,3-DICHLOROPROPENE	570	U	
TRICHLOROETHENE	570	U	
VINYL CHLORIDE	1100	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-221-06
samp_date	11/12/2002
lab_id	211072-005-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	6.1	J	P
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	12	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
ETHYLBENZENE	6.1	U	
M+P-XYLENES	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	A
O-XYLENE	6.1	U	
STYRENE	6.1	U	

nsample	CEF-293-SU-221-06
samp_date	11/12/2002
lab_id	211072-005-013-1/3
qc_type	NM
units	UG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
VINYL CHLORIDE	12	U	

nsample	CEF-293-SU-222-06
samp_date	11/12/2002
lab_id	211072-003-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.3	U	
1,1,2,2-TETRACHLOROETHANE	6.3	U	
1,1,2-TRICHLOROETHANE	6.3	U	
1,1-DICHLOROETHANE	6.3	U	
1,1-DICHLOROETHENE	6.3	U	
1,2-DICHLOROETHANE	6.3	U	
1,2-DICHLOROPROPANE	6.3	U	
2-BUTANONE	13	U	
2-HEXANONE	13	U	
4-METHYL-2-PENTANONE	13	U	
ACETONE	23		
BENZENE	6.3	U	
BROMODICHLOROMETHANE	6.3	U	
BROMOFORM	6.3	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6.3	U	
CARBON TETRACHLORIDE	6.3	U	
CHLOROBENZENE	6.3	U	
CHLORODIBROMOMETHANE	6.3	U	
CHLOROETHANE	13	U	
CHLOROFORM	6.3	U	
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6.3	U	
CIS-1,3-DICHLOROPROPENE	6.3	U	
ETHYLBENZENE	6.3	U	
M+P-XYLENES	6.3	U	
METHYL TERT-BUTYL ETHER	6.3	U	
METHYLENE CHLORIDE	13	U	A
O-XYLENE	6.3	U	
STYRENE	6.3	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-222-06
samp_date	11/12/2002
lab_id	211072-003-007-1/3
qc_type	NM
units	UG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRACHLOROETHENE	6.3	U	
TOLUENE	6.3	U	
TRANS-1,2-DICHLOROETHENE	6.3	U	
TRANS-1,3-DICHLOROPROPENE	6.3	U	
TRICHLOROETHENE	6.3	U	
VINYL CHLORIDE	13	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-204-08
samp_date	11/12/2002
lab_id	211072-001-025-1/1
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	9.4		
2-METHYLNAPHTHALENE	14		
ACENAPHTHENE	3.9	U	
ACENAPHTHYLENE	3.9	U	
ANTHRACENE	3.9	U	
BENZO(A)ANTHRACENE	3.9	U	
BENZO(A)PYRENE	3.9	U	
BENZO(B)FLUORANTHENE	3.9	U	
BENZO(G,H,I)PERYLENE	3.9	U	
BENZO(K)FLUORANTHENE	3.9	U	
CHRYSENE	3.9	U	
DIBENZO(A,H)ANTHRACENE	3.9	U	
FLUORANTHENE	3.9	U	
FLUORENE	3.9	U	
INDENO(1,2,3-CD)PYRENE	3.9	U	
NAPHTHALENE	5.1		
PHENANTHRENE	3.9	U	
PYRENE	3.9	U	

nsample	CEF-293-SU-205-08
samp_date	11/12/2002
lab_id	211072-002-026-1/1
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	350		
2-METHYLNAPHTHALENE	510		
ACENAPHTHENE	4	U	
ACENAPHTHYLENE	4	U	
ANTHRACENE	4	U	
BENZO(A)ANTHRACENE	4	U	
BENZO(A)PYRENE	4	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	4	U	
BENZO(K)FLUORANTHENE	4	U	
CHRYSENE	4	U	
DIBENZO(A,H)ANTHRACENE	4	U	
FLUORANTHENE	4	U	
FLUORENE	4	U	
INDENO(1,2,3-CD)PYRENE	4	U	
NAPHTHALENE	250		
PHENANTHRENE	4	U	
PYRENE	4	U	

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-031-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	93.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	6700	J	N
2-METHYLNAPHTHALENE	5600	J	N
ACENAPHTHENE	36	U	
ACENAPHTHYLENE	36	U	
ANTHRACENE	240		
BENZO(A)ANTHRACENE	280		
BENZO(A)PYRENE	100		
BENZO(B)FLUORANTHENE	180		
BENZO(G,H,I)PERYLENE	36	U	
BENZO(K)FLUORANTHENE	50		
CHRYSENE	200		
DIBENZO(A,H)ANTHRACENE	36	U	
FLUORANTHENE	1000		
FLUORENE	320		
INDENO(1,2,3-CD)PYRENE	36	U	
NAPHTHALENE	36	UJ	N
PHENANTHRENE	420		
PYRENE	680		

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-032-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	92.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	26000		
2-METHYLNAPHTHALENE	34000		
ACENAPHTHENE	720	U	
ACENAPHTHYLENE	720	U	
ANTHRACENE	720	U	
BENZO(A)ANTHRACENE	720	U	
BENZO(A)PYRENE	720	U	
BENZO(B)FLUORANTHENE	720	U	
BENZO(G,H,I)PERYLENE	720	U	
BENZO(K)FLUORANTHENE	720	U	
CHRYSENE	720	U	
DIBENZO(A,H)ANTHRACENE	720	U	
FLUORANTHENE	940		
FLUORENE	720	J	P
INDENO(1,2,3-CD)PYRENE	720	U	
NAPHTHALENE	20000		
PHENANTHRENE	1400		
PYRENE	790		

nsample	CEF-293-SU-218-06
samp_date	11/12/2002
lab_id	211072-006-030-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	88.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	5000		
2-METHYLNAPHTHALENE	4800		
ACENAPHTHENE	380	U	
ACENAPHTHYLENE	380	U	
ANTHRACENE	380	U	
BENZO(A)ANTHRACENE	380	U	
BENZO(A)PYRENE	380	U	
BENZO(B)FLUORANTHENE	380	U	
BENZO(G,H,I)PERYLENE	380	U	
BENZO(K)FLUORANTHENE	380	U	
CHRYSENE	380	U	
DIBENZO(A,H)ANTHRACENE	380	U	
FLUORANTHENE	380	U	
FLUORENE	380	U	
INDENO(1,2,3-CD)PYRENE	380	U	
NAPHTHALENE	380	U	
PHENANTHRENE	380	U	
PYRENE	380	U	

nsample	CEF-293-SU-220-06
samp_date	11/12/2002
lab_id	211072-004-028-1/1DL
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	80	U	
2-METHYLNAPHTHALENE	80	U	
ACENAPHTHENE	80	U	
ACENAPHTHYLENE	80	U	
ANTHRACENE	80	U	
BENZO(A)ANTHRACENE	80	U	
BENZO(A)PYRENE	80	U	
BENZO(B)FLUORANTHENE	80	U	
BENZO(G,H,I)PERYLENE	80	U	
BENZO(K)FLUORANTHENE	80	U	
CHRYSENE	80	U	
DIBENZO(A,H)ANTHRACENE	80	U	
FLUORANTHENE	80	U	
FLUORENE	80	U	
INDENO(1,2,3-CD)PYRENE	80	U	
NAPHTHALENE	80	U	
PHENANTHRENE	80	U	
PYRENE	80	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-221-06
samp_date	11/12/2002
lab_id	211072-005-029-1/1
qc_type	NM
units	UG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	3.9	U	
2-METHYLNAPHTHALENE	3.9	U	
ACENAPHTHENE	3.9	U	
ACENAPHTHYLENE	3.9	U	
ANTHRACENE	3.9	U	
BENZO(A)ANTHRACENE	3.9	U	
BENZO(A)PYRENE	3.9	U	
BENZO(B)FLUORANTHENE	3.9	U	
BENZO(G,H,I)PERYLENE	3.9	U	
BENZO(K)FLUORANTHENE	3.9	U	
CHRYSENE	3.9	U	
DIBENZO(A,H)ANTHRACENE	3.9	U	
FLUORANTHENE	3.9	U	
FLUORENE	3.9	U	
INDENO(1,2,3-CD)PYRENE	3.9	U	
NAPHTHALENE	3.9	U	
PHENANTHRENE	3.9	U	
PYRENE	3.9	U	

nsample	CEF-293-SU-222-06
samp_date	11/12/2002
lab_id	211072-003-027-1/1
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	4	U	
2-METHYLNAPHTHALENE	4	U	
ACENAPHTHENE	4	U	
ACENAPHTHYLENE	4	U	
ANTHRACENE	4	U	
BENZO(A)ANTHRACENE	4	U	
BENZO(A)PYRENE	4	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	4	U	
BENZO(K)FLUORANTHENE	4	U	
CHRYSENE	4	U	
DIBENZO(A,H)ANTHRACENE	4	U	
FLUORANTHENE	4	U	
FLUORENE	4	U	
INDENO(1,2,3-CD)PYRENE	4	U	
NAPHTHALENE	4	U	
PHENANTHRENE	4	U	
PYRENE	4	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-032-1/1
qc_type	NM
units	UG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	126.9		
2-METHYLNAPHTHALENE	148.7		
ACENAPHTHENE	2.1		
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.7		
BENZO(A)ANTHRACENE	0.5	U	
BENZO(A)PYRENE	0.5	U	
BENZO(B)FLUORANTHENE	0.5	U	
BENZO(G,H,I)PERYLENE	0.5	U	
BENZO(K)FLUORANTHENE	0.5	U	
CHRYSENE	0.5	U	
DIBENZO(A,H)ANTHRACENE	0.5	U	
FLUORANTHENE	0.6		
FLUORENE	2.4		
INDENO(1,2,3-CD)PYRENE	0.5	U	
NAPHTHALENE	174.7		
PHENANTHRENE	2.5		
PYRENE	0.5	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-204-08
samp_date	11/12/2002
lab_id	211072-001-025-1/1
qc_type	NM
units	MG/KG
Pct_Solids	85
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.7	U	

nsample	CEF-293-SU-205-08
samp_date	11/12/2002
lab_id	211072-002-026-1/1
qc_type	NM
units	MG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	22		

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-035-1/1
qc_type	NM
units	MG/KG
Pct_Solids	93
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
>C36 ALIPHATICS	1.98	J	Q
>C36 AROMATICS	1.29	J	Q
C10-C12 ALIPHATICS	2235.9	J	Q
C10-C12 AROMATICS	19.73	J	Q
C12-C14 ALIPHATICS	2391.7	J	Q
C12-C14 AROMATICS	29.8	J	Q
C14-C16 ALIPHATICS	724.1	J	Q
C14-C16 AROMATICS	36.5	J	Q
C16-C18 ALIPHATICS	74.2	J	Q
C16-C18 AROMATICS	2.49	J	Q
C18-C20 ALIPHATICS	47.7	J	Q
C18-C20 AROMATICS	2.18	J	Q
C20-C22 ALIPHATICS	17.4	J	Q
C20-C22 AROMATICS	3	J	Q
C22-C24 ALIPHATICS	4.6	J	Q
C22-C24 AROMATICS	11.1	J	Q
C24-C26 ALIPHATICS	1.75	J	Q
C24-C26 AROMATICS	0.45	J	Q
C26-C28 ALIPHATICS	2.25	J	Q
C26-C28 AROMATICS	0.39	J	Q
C28-C30 ALIPHATICS	1.86	J	Q
C28-C30 AROMATICS	0.24	J	Q
C30-C32 ALIPHATICS	2.97	J	Q
C30-C32 AROMATICS	0.05	UJ	Q
C32-C34 ALIPHATICS	0.75	J	Q
C32-C34 AROMATICS	0.05	UJ	Q
C34-C36 ALIPHATICS	0.05	UJ	Q
C34-C36 AROMATICS	0.05	UJ	Q
C8-C10 ALIPHATICS	437.6	J	Q
C8-C10 AROMATICS	50.68	J	Q

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-035-1/1
qc_type	NM
units	MG/KG
Pct_Solids	93
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4800		

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-036-1/1
qc_type	NM
units	MG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
>C36 ALIPHATICS	2.93	J	Q
>C36 AROMATICS	0.26	J	Q
C10-C12 ALIPHATICS	2740.4	J	Q
C10-C12 AROMATICS	4.44	J	Q
C12-C14 ALIPHATICS	3687.8	J	Q
C12-C14 AROMATICS	6.71	J	Q
C14-C16 ALIPHATICS	897.9	J	Q
C14-C16 AROMATICS	7.4	J	Q
C16-C18 ALIPHATICS	59.5	J	Q
C16-C18 AROMATICS	0.45	J	Q
C18-C20 ALIPHATICS	6.58	J	Q
C18-C20 AROMATICS	0.27	J	Q
C20-C22 ALIPHATICS	4.51	J	Q
C20-C22 AROMATICS	0.27	J	Q
C22-C24 ALIPHATICS	2.88	J	Q
C22-C24 AROMATICS	0.29	J	Q
C24-C26 ALIPHATICS	1.06	J	Q
C24-C26 AROMATICS	0.17	J	Q
C26-C28 ALIPHATICS	0.83	J	Q
C26-C28 AROMATICS	0.11	J	Q
C28-C30 ALIPHATICS	0.48	J	Q
C28-C30 AROMATICS	0.06	J	Q
C30-C32 ALIPHATICS	0.05	UJ	Q
C30-C32 AROMATICS	0.23	J	Q
C32-C34 ALIPHATICS	0.35	J	Q
C32-C34 AROMATICS	0.35	J	Q
C34-C36 ALIPHATICS	0.05	UJ	Q
C34-C36 AROMATICS	0.13	J	Q
C8-C10 ALIPHATICS	611.6	J	Q
C8-C10 AROMATICS	14.32	J	Q

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-036-1/1
qc_type	NM
units	MG/KG
Pct_Solids	92
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7600		

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-218-06
samp_date	11/12/2002
lab_id	211072-006-030-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	3700		

nsample	CEF-293-SU-220-06
samp_date	11/12/2002
lab_id	211072-004-028-1/1DL
qc_type	NM
units	MG/KG
Pct_Solids	83
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9000		

nsample	CEF-293-SU-221-06
samp_date	11/12/2002
lab_id	211072-005-029-1/1
qc_type	NM
units	MG/KG
Pct_Solids	86
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.57	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SOIL DATA FRACTION: PE

nsample	CEF-293-SU-222-06
samp_date	11/12/2002
lab_id	211072-003-027-1/1
qc_type	NM
units	MG/KG
Pct_Solids	84
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.7	U	

PROJ_NO: 0039

SDG: 211072 MEDIA: SPLP DATA FRACTION: S

nsample	CEF-293-SU-216-06
samp_date	11/12/2002
lab_id	211072-007-035-1/1
qc_type	NM
units	MG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	0.8	U	

nsample	CEF-293-SU-217-06
samp_date	11/12/2002
lab_id	211072-008-036-1/1
qc_type	NM
units	MG/L
Pct_Solids	0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	0.8	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20408

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-001-001-1/3
Sample Volume :	5.42	Lab File ID :	A37160.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.2	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
78-93-3	2-Butanone	11	U
591-78-6	2-Hexanone	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
67-64-1	Acetone	15	
71-43-2	Benzene	5.4	U
75-27-4	Bromodichloromethane	5.4	U
75-25-2	Bromoform	5.4	U
74-83-9	Bromomethane	11	U
75-15-0	Carbon Disulfide	5.4	U
56-23-5	Carbon Tetrachloride	5.4	U
108-90-7	Chlorobenzene	5.4	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	5.4	U
74-87-3	Chloromethane	11	U
124-48-1	Dibromochloromethane	5.4	U
100-41-4	Ethylbenzene	1.2	J
75-09-2	Methylene Chloride	6.4	JB
100-42-5	Styrene	5.4	U
127-18-4	Tetrachloroethylene	5.4	U
108-88-3	Toluene	5.4	U
79-01-6	Trichloroethene	5.4	U
75-01-4	Vinyl Chloride	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20408

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-001-001-1/3
Sample Volume :	5.42	Lab File ID :	A37160.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.2	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
136777-61-2	m,p-Xylenes	4.1	J
95-47-6	o-Xylene	1.9	J
1634-04-4	tert-butyl methyl ether	5.4	U
156-60-5	trans-1,2-dichloroethene	5.4	U
10061-02-6	trans-1,3-dichloropropene	5.4	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20508

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-002-004-1/3
Sample Volume :	5.09	Lab File ID :	A37161.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.82	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	16	
71-43-2	Benzene	5.8	U
75-27-4	Bromodichloromethane	5.8	U
75-25-2	Bromoform	5.8	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
108-90-7	Chlorobenzene	5.8	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	5.8	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	5.8	U
100-41-4	Ethylbenzene	9.4	
75-09-2	Methylene Chloride	6.9	JB
100-42-5	Styrene	5.8	U
127-18-4	Tetrachloroethylene	5.8	U
108-88-3	Toluene	5.8	U
79-01-6	Trichloroethene	5.8	U
75-01-4	Vinyl Chloride	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20508

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-002-004-1/3
Sample Volume :	5.09	Lab File ID :	A37161.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.82	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
136777-61-2	m,p-Xylenes	35	
95-47-6	o-Xylene	20	
1634-04-4	tert-butyl methyl ether	5.8	U
156-60-5	trans-1,2-dichloroethene	5.8	U
10061-02-6	trans-1,3-dichloropropene	5.8	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21606

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-007-019-1/3
Sample Volume :	5.34	Lab File ID :	A37166.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	7.46	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U
79-00-5	1,1,2-Trichloroethane	5.1	U
75-34-3	1,1-Dichloroethane	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U
107-06-2	1,2-Dichloroethane	5.1	U
78-87-5	1,2-Dichloropropane	5.1	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	960	E
71-43-2	Benzene	5.1	U
75-27-4	Bromodichloromethane	5.1	U
75-25-2	Bromoform	5.1	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.1	U
56-23-5	Carbon Tetrachloride	5.1	U
108-90-7	Chlorobenzene	5.1	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.1	U
74-87-3	Chloromethane	10	U
124-48-1	Dibromochloromethane	5.1	U
100-41-4	Ethylbenzene	5.1	U
75-09-2	Methylene Chloride	7.0	JB
100-42-5	Styrene	5.1	U
127-18-4	Tetrachloroethylene	5.1	U
108-88-3	Toluene	5.1	U
79-01-6	Trichloroethene	5.1	U
75-01-4	Vinyl Chloride	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21606

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-007-019-1/3
Sample Volume :	5.34	Lab File ID :	A37166.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	7.46	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	5.1	U
10061-01-5	cis-1,3-Dichloropropene	5.1	U
136777-61-2	m,p-Xylenes	5.1	U
95-47-6	o-Xylene	5.1	U
1634-04-4	tert-butyl methyl ether	5.1	U
156-60-5	trans-1,2-dichloroethene	5.1	U
10061-02-6	trans-1,3-dichloropropene	5.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-008-022-1/3DL
Sample Volume :	5.58	Lab File ID :	A37168.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	7.58	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	89.6
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	490	U
79-34-5	1,1,2,2-Tetrachloroethane	490	U
79-00-5	1,1,2-Trichloroethane	490	U
75-34-3	1,1-Dichloroethane	490	U
75-35-4	1,1-Dichloroethene	490	U
107-06-2	1,2-Dichloroethane	490	U
78-87-5	1,2-Dichloropropane	490	U
78-93-3	2-Butanone	970	U
591-78-6	2-Hexanone	970	U
108-10-1	4-Methyl-2-Pentanone	970	U
67-64-1	Acetone	970	U
71-43-2	Benzene	490	U
75-27-4	Bromodichloromethane	490	U
75-25-2	Bromoform	490	U
74-83-9	Bromomethane	970	U
75-15-0	Carbon Disulfide	490	U
56-23-5	Carbon Tetrachloride	490	U
108-90-7	Chlorobenzene	490	U
75-00-3	Chloroethane	970	U
67-66-3	Chloroform	490	U
74-87-3	Chloromethane	970	U
124-48-1	Dibromochloromethane	490	U
100-41-4	Ethylbenzene	12000	
75-09-2	Methylene Chloride	970	U
100-42-5	Styrene	490	U
127-18-4	Tetrachloroethylene	490	U
108-88-3	Toluene	2100	
79-01-6	Trichloroethene	490	U
75-01-4	Vinyl Chloride	970	U

1072R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-008-022-1/3DL
Sample Volume :	5.58	Lab File ID :	A37168.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	7.58	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	89.6
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	490	U
10061-01-5	cis-1,3-Dichloropropene	490	U
95-47-6	o-Xylene	14000	
1634-04-4	tert-butyl methyl ether	490	U
156-60-5	trans-1,2-dichloroethene	490	U
10061-02-6	trans-1,3-dichloropropene	490	U

1073R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706DL1

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-008-024-3/3DL1
Sample Volume :	5.58	Lab File ID :	E30628.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	7.58	Date Analyzed	11/19/2002
GC Column :	RTX VOA ID. 0.53	Dilution Factor :	179.2
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
136777-61-2	m,p-Xylenes	53000	

1079R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-006-016-1/3DL
Sample Volume :	4.77	Lab File ID :	A37165.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	12.36	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	104.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U
79-00-5	1,1,2-Trichloroethane	600	U
75-34-3	1,1-Dichloroethane	600	U
75-35-4	1,1-Dichloroethene	600	U
107-06-2	1,2-Dichloroethane	600	U
78-87-5	1,2-Dichloropropane	600	U
78-93-3	2-Butanone	1200	U
591-78-6	2-Hexanone	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
67-64-1	Acetone	1200	U
71-43-2	Benzene	600	U
75-27-4	Bromodichloromethane	600	U
75-25-2	Bromoform	600	U
74-83-9	Bromomethane	1200	U
75-15-0	Carbon Disulfide	600	U
56-23-5	Carbon Tetrachloride	600	U
108-90-7	Chlorobenzene	600	U
75-00-3	Chloroethane	1200	U
67-66-3	Chloroform	600	U
74-87-3	Chloromethane	1200	U
124-48-1	Dibromochloromethane	600	U
100-41-4	Ethylbenzene	4300	
75-09-2	Methylene Chloride	820	JB
100-42-5	Styrene	600	U
127-18-4	Tetrachloroethylene	600	U
108-88-3	Toluene	600	U
79-01-6	Trichloroethene	600	U
75-01-4	Vinyl Chloride	1200	U

1057R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-006-016-1/3DL
Sample Volume :	4.77	Lab File ID :	A37165.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	12.36	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	104.8
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	600	U
10061-01-5	cis-1,3-Dichloropropene	600	U
136777-61-2	m,p-Xylenes	8400	
95-47-6	o-Xylene	6300	
1634-04-4	tert-butyl methyl ether	600	U
156-60-5	trans-1,2-dichloroethene	600	U
10061-02-6	trans-1,3-dichloropropene	600	U

1058R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22006DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-004-010-1/3DL
Sample Volume :	5.27	Lab File ID :	A37163.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	16.97	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	94.9
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	570	U
79-34-5	1,1,2,2-Tetrachloroethane	570	U
79-00-5	1,1,2-Trichloroethane	570	U
75-34-3	1,1-Dichloroethane	570	U
75-35-4	1,1-Dichloroethene	570	U
107-06-2	1,2-Dichloroethane	570	U
78-87-5	1,2-Dichloropropane	570	U
78-93-3	2-Butanone	1100	U
591-78-6	2-Hexanone	1100	U
108-10-1	4-Methyl-2-Pentanone	1100	U
67-64-1	Acetone	1100	U
71-43-2	Benzene	570	U
75-27-4	Bromodichloromethane	570	U
75-25-2	Bromoform	570	U
74-83-9	Bromomethane	1100	U
75-15-0	Carbon Disulfide	570	U
56-23-5	Carbon Tetrachloride	570	U
108-90-7	Chlorobenzene	570	U
75-00-3	Chloroethane	1100	U
67-66-3	Chloroform	570	U
74-87-3	Chloromethane	1100	U
124-48-1	Dibromochloromethane	570	U
100-41-4	Ethylbenzene	660	
75-09-2	Methylene Chloride	850	JB
100-42-5	Styrene	570	U
127-18-4	Tetrachloroethylene	570	U
108-88-3	Toluene	570	U
79-01-6	Trichloroethene	570	U
75-01-4	Vinyl Chloride	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22006DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-004-010-1/3DL
Sample Volume :	5.27	Lab File ID :	A37163.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	16.97	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	94.9
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	570	U
10061-01-5	cis-1,3-Dichloropropene	570	U
136777-61-2	m,p-Xylenes	2100	
95-47-6	o-Xylene	1600	
1634-04-4	tert-butyl methyl ether	570	U
156-60-5	trans-1,2-dichloroethene	570	U
10061-02-6	trans-1,3-dichloropropene	570	U

1045R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-005-013-1/3
Sample Volume :	4.76	Lab File ID :	A37164.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	13.7	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
79-00-5	1,1,2-Trichloroethane	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
78-87-5	1,2-Dichloropropane	6.1	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	6.1	J
71-43-2	Benzene	6.1	U
75-27-4	Bromodichloromethane	6.1	U
75-25-2	Bromoform	6.1	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	6.1	U
56-23-5	Carbon Tetrachloride	6.1	U
108-90-7	Chlorobenzene	6.1	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	6.1	U
74-87-3	Chloromethane	12	U
124-48-1	Dibromochloromethane	6.1	U
100-41-4	Ethylbenzene	6.1	U
75-09-2	Methylene Chloride	7.7	JB
100-42-5	Styrene	6.1	U
127-18-4	Tetrachloroethylene	6.1	U
108-88-3	Toluene	6.1	U
79-01-6	Trichloroethene	6.1	U
75-01-4	Vinyl Chloride	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-005-013-1/3
Sample Volume :	4.76	Lab File ID :	A37164.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	13.7	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.1	U
10061-01-5	cis-1,3-Dichloropropene	6.1	U
136777-61-2	m,p-Xylenes	6.1	U
95-47-6	o-Xylene	6.1	U
1634-04-4	tert-butyl methyl ether	6.1	U
156-60-5	trans-1,2-dichloroethene	6.1	U
10061-02-6	trans-1,3-dichloropropene	6.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22206

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-003-007-1/3
Sample Volume :	4.74	Lab File ID :	A37162.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.69	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
78-87-5	1,2-Dichloropropane	6.3	U
78-93-3	2-Butanone	13	U
591-78-6	2-Hexanone	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
67-64-1	Acetone	23	
71-43-2	Benzene	6.3	U
75-27-4	Bromodichloromethane	6.3	U
75-25-2	Bromoform	6.3	U
74-83-9	Bromomethane	13	U
75-15-0	Carbon Disulfide	6.3	U
56-23-5	Carbon Tetrachloride	6.3	U
108-90-7	Chlorobenzene	6.3	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	6.3	U
74-87-3	Chloromethane	13	U
124-48-1	Dibromochloromethane	6.3	U
100-41-4	Ethylbenzene	6.3	U
75-09-2	Methylene Chloride	7.6	JB
100-42-5	Styrene	6.3	U
127-18-4	Tetrachloroethylene	6.3	U
108-88-3	Toluene	6.3	U
79-01-6	Trichloroethene	6.3	U
75-01-4	Vinyl Chloride	13	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22206

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	211072
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-003-007-1/3
Sample Volume :	4.74	Lab File ID :	A37162.D
Level :	Low	Date Received	11/13/2002
% Moisture: not dec	15.69	Date Analyzed	11/15/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
136777-61-2	m,p-Xylenes	6.3	U
95-47-6	o-Xylene	6.3	U
1634-04-4	tert-butyl methyl ether	6.3	U
156-60-5	trans-1,2-dichloroethene	6.3	U
10061-02-6	trans-1,3-dichloropropene	6.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211072
Case No.		SDG NO :	211072
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211072-008-036-1/1
Sample Volume :	.5	Lab File ID :	F33915.D
Level	Low	Date Received	11/13/2002
% Moisture: not dec	7.58	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
78-93-3	2-Butanone	100	U
591-78-6	2-Hexanone	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	110	
71-43-2	Benzene	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
124-48-1	Dibromochloromethane	100	U
100-41-4	Ethylbenzene	100	U
75-09-2	Methylene Chloride	420	B
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	100	U
79-01-6	Trichloroethene	100	U
75-01-4	Vinyl Chloride	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code	GPL	SAS NO. :	211072
Case No.		SDG NO :	211072
Matrix : (Soil / Water)	WATER	Lab Sample ID :	211072-008-036-1/1
Sample Volume :	.5	Lab File ID :	F33915.D
Level	Low	Date Received	11/13/2002
% Moisture: not dec	7.58	Date Analyzed	12/04/2002
GC Column :	RTX_VOA ID. 0.53	Dilution Factor	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume	(µ L)

Concentration Units (mg/L or mg/kg dry weight ug/L

CAS NO	COMPOUND		Q
156-59-2	cis-1,2-Dichloroethene	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylenes	51	J
95-47-6	o-Xylene	24	J
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20408

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-001-025-1/1
Sample Volume :	30	Lab File ID :	C34287.D
% Moisture:	15.2	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	9.4	
91-57-6	2-Methylnaphthalene	14	
83-32-9	Acenaphthene	3.9	U
208-96-8	Acenaphthylene	3.9	U
120-12-7	Anthracene	3.9	U
56-55-3	Benzo(a)anthracene	3.9	U
50-32-8	Benzo(a)pyrene	3.9	U
205-99-2	Benzo(b)fluoranthene	3.9	U
191-24-2	Benzo(g,h,i)perylene	3.9	U
207-08-9	Benzo(k)fluoranthene	3.9	U
218-01-9	Chrysene	3.9	U
53-70-3	Dibenz(a,h)Anthracene	3.9	U
206-44-0	Fluoranthene	3.9	U
86-73-7	Fluorene	3.9	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.9	U
91-20-3	Naphthalene	5.1	
85-01-8	Phenanthrene	3.9	U
129-00-0	Pyrene	3.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20508

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-002-026-1/1
Sample Volume :	30	Lab File ID :	C34288.D
% Moisture:	15.82	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	350	
91-57-6	2-Methylnaphthalene	510	
83-32-9	Acenaphthene	4.0	U
208-96-8	Acenaphthylene	4.0	U
120-12-7	Anthracene	4.0	U
56-55-3	Benzo(a)anthracene	4.0	U
50-32-8	Benzo(a)pyrene	4.0	U
205-99-2	Benzo(b)fluoranthene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
218-01-9	Chrysene	4.0	U
53-70-3	Dibenz(a,h)Anthracene	4.0	U
206-44-0	Fluoranthene	4.0	U
86-73-7	Fluorene	4.0	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	4.0	U
91-20-3	Naphthalene	250	
85-01-8	Phenanthrene	4.0	U
129-00-0	Pyrene	4.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21606DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-007-031-1/1
Sample Volume :	30	Lab File ID :	C34422.D
% Moisture:	7.46	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	15000	E
91-57-6	2-Methylnaphthalene	13000	E
83-32-9	Acenaphthene	36	U
208-96-8	Acenaphthylene	36	U
120-12-7	Anthracene	240	
56-55-3	Benzo(a)anthracene	280	
50-32-8	Benzo(a)pyrene	100	
205-99-2	Benzo(b)fluoranthene	180	
191-24-2	Benzo(g,h,i)perylene	36	U
207-08-9	Benzo(k)fluoranthene	50	
218-01-9	Chrysene	200	
53-70-3	Dibenz(a,h)Anthracene	36	U
206-44-0	Fluoranthene	1000	
86-73-7	Fluorene	320	
193-39-5	Indeno(1,2,3-c,d)Pyrene	36	U
91-20-3	Naphthalene	36	U
85-01-8	Phenanthrene	420	
129-00-0	Pyrene	680	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21606DL2

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-007-031-1/1
Sample Volume :	30	Lab File ID :	C34424.D
% Moisture:	7.46	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	6700	
91-57-6	2-Methylnaphthalene	5600	
83-32-9	Acenaphthene	72	U
208-96-8	Acenaphthylene	72	U
120-12-7	Anthracene	190	
56-55-3	Benzo(a)anthracene	240	
50-32-8	Benzo(a)pyrene	94	
205-99-2	Benzo(b)fluoranthene	140	
191-24-2	Benzo(g,h,i)perylene	72	U
207-08-9	Benzo(k)fluoranthene	72	U
218-01-9	Chrysene	180	
53-70-3	Dibenz(a,h)Anthracene	72	U
206-44-0	Fluoranthene	930	
86-73-7	Fluorene	72	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	72	U
91-20-3	Naphthalene	72	U
85-01-8	Phenanthrene	370	
129-00-0	Pyrene	590	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-008-032-1/1
Sample Volume :	30	Lab File ID :	C34426.D
% Moisture:	7.58	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	200
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	26000	
91-57-6	2-Methylnaphthalene	34000	
83-32-9	Acenaphthene	720	U
208-96-8	Acenaphthylene	720	U
120-12-7	Anthracene	720	U
56-55-3	Benzo(a)anthracene	720	U
50-32-8	Benzo(a)pyrene	720	U
205-99-2	Benzo(b)fluoranthene	720	U
191-24-2	Benzo(g,h,i)perylene	720	U
207-08-9	Benzo(k)fluoranthene	720	U
218-01-9	Chrysene	720	U
53-70-3	Dibenz(a,h)Anthracene	720	U
206-44-0	Fluoranthene	940	
86-73-7	Fluorene	720	J
193-39-5	Indeno(1,2,3-c,d)Pyrene	720	U
91-20-3	Naphthalene	20000	
85-01-8	Phenanthrene	1400	
129-00-0	Pyrene	790	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21806DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-006-030-1/1
Sample Volume :	30	Lab File ID :	C34425.D
% Moisture:	12.36	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µL	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	5000	
91-57-6	2-Methylnaphthalene	4800	
83-32-9	Acenaphthene	380	U
208-96-8	Acenaphthylene	380	U
120-12-7	Anthracene	380	U
56-55-3	Benzo(a)anthracene	380	U
50-32-8	Benzo(a)pyrene	380	U
205-99-2	Benzo(b)fluoranthene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
218-01-9	Chrysene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
206-44-0	Fluoranthene	380	U
86-73-7	Fluorene	380	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	380	U
91-20-3	Naphthalene	380	U
85-01-8	Phenanthrene	380	U
129-00-0	Pyrene	380	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22006DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-004-028-1/1
Sample Volume :	30	Lab File ID :	C34419.D
% Moisture:	16.97	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	80	U
91-57-6	2-Methylnaphthalene	80	U
83-32-9	Acenaphthene	80	U
208-96-8	Acenaphthylene	80	U
120-12-7	Anthracene	80	U
56-55-3	Benzo(a)anthracene	80	U
50-32-8	Benzo(a)pyrene	80	U
205-99-2	Benzo(b)fluoranthene	80	U
191-24-2	Benzo(g,h,i)perylene	80	U
207-08-9	Benzo(k)fluoranthene	80	U
218-01-9	Chrysene	80	U
53-70-3	Dibenz(a,h)Anthracene	80	U
206-44-0	Fluoranthene	80	U
86-73-7	Fluorene	80	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	80	U
91-20-3	Naphthalene	80	U
85-01-8	Phenanthrene	80	U
129-00-0	Pyrene	80	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-005-029-1/1
Sample Volume :	30	Lab File ID :	C34289.D
% Moisture:	13.7	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	11/21/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	3.9	U
91-57-6	2-Methylnaphthalene	3.9	U
83-32-9	Acenaphthene	3.9	U
208-96-8	Acenaphthylene	3.9	U
120-12-7	Anthracene	3.9	U
56-55-3	Benzo(a)anthracene	3.9	U
50-32-8	Benzo(a)pyrene	3.9	U
205-99-2	Benzo(b)fluoranthene	3.9	U
191-24-2	Benzo(g,h,i)perylene	3.9	U
207-08-9	Benzo(k)fluoranthene	3.9	U
218-01-9	Chrysene	3.9	U
53-70-3	Dibenz(a,h)Anthracene	3.9	U
206-44-0	Fluoranthene	3.9	U
86-73-7	Fluorene	3.9	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	3.9	U
91-20-3	Naphthalene	3.9	U
85-01-8	Phenanthrene	3.9	U
129-00-0	Pyrene	3.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22206

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-003-027-1/1
Sample Volume :	30	Lab File ID :	C34418.D
% Moisture:	15.69	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	4.0	U
91-57-6	2-Methylnaphthalene	4.0	U
83-32-9	Acenaphthene	4.0	U
208-96-8	Acenaphthylene	4.0	U
120-12-7	Anthracene	4.0	U
56-55-3	Benzo(a)anthracene	4.0	U
50-32-8	Benzo(a)pyrene	4.0	U
205-99-2	Benzo(b)fluoranthene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
218-01-9	Chrysene	4.0	U
53-70-3	Dibenz(a,h)Anthracene	4.0	U
206-44-0	Fluoranthene	4.0	U
86-73-7	Fluorene	4.0	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	4.0	U
91-20-3	Naphthalene	4.0	U
85-01-8	Phenanthrene	4.0	U
129-00-0	Pyrene	4.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22206RI

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-003-027-1/1
Sample Volume :	30	Lab File ID :	C34420.D
% Moisture:	15.69	Date Received	11/13/2002
Extraction:	SW3550-LL	Date Extracted:	11/14/2002
Extract Volume:	1 mL	Date Analyzed	12/12/2002
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
90-12-0	1-Methylnaphthalene	4.0	U
91-57-6	2-Methylnaphthalene	4.0	U
83-32-9	Acenaphthene	4.0	U
208-96-8	Acenaphthylene	4.0	U
120-12-7	Anthracene	4.0	U
56-55-3	Benzo(a)anthracene	4.0	U
50-32-8	Benzo(a)pyrene	4.0	U
205-99-2	Benzo(b)fluoranthene	4.0	U
191-24-2	Benzo(g,h,i)perylene	4.0	U
207-08-9	Benzo(k)fluoranthene	4.0	U
218-01-9	Chrysene	4.0	U
53-70-3	Dibenz(a,h)Anthracene	4.0	U
206-44-0	Fluoranthene	4.0	U
86-73-7	Fluorene	4.0	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	4.0	U
91-20-3	Naphthalene	4.0	U
85-01-8	Phenanthrene	4.0	U
129-00-0	Pyrene	4.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU21706

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211072-008-036-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34437.D

Level: (low/med) LOW Date Received: 11/13/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
91-20-3	Naphthalene	108.60	E
91-57-6	2-Methylnaphthalene	117.80	E
90-12-0	1-Methylnaphthalene	108.8 ~~0.50~~	~~U~~
208-96-8	Acenaphthylene	0.50	U
83-32-9	Acenaphthene	2.10	
86-73-7	Fluorene	2.40	
85-01-8	Phenanthrene	2.50	
120-12-7	Anthracene	0.70	
206-44-0	Fluoranthene	0.60	
129-00-0	Pyrene	0.50	U
56-55-3	Benzo[a]anthracene	0.50	U
218-01-9	Chrysene	0.50	U
205-99-2	Benzo[b]fluoranthene	0.50	U
207-08-9	Benzo[k]fluoranthene	0.50	U
50-32-8	Benzo[a]pyrene	0.50	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.50	U
53-70-3	Dibenz[a,h]anthracene	0.50	U
191-24-2	Benzo[g,h,i]perylene	0.50	U

W 12/18/02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF293SU21706DL

Lab Name: GPL_LABORATORIES Contract: TETRATECH_

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211072-008-036-1/1DL

Sample wt/vol: 200 (g/ml) ML Lab File ID: C34442.D

Level: (low/med) LOW Date Received: 11/13/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/26/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/02

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 3

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
91-20-3	Naphthalene	174.70	D
91-57-6	2-Methylnaphthalene	148.70	D
90-12-0	1-Methylnaphthalene	126.9 ~~1.00~~	~~U~~ D
208-96-8	Acenaphthylene	1.00	U
83-32-9	Acenaphthene	2.00	D
86-73-7	Fluorene	2.10	D
85-01-8	Phenanthrene	2.30	D
120-12-7	Anthracene	1.00	U
206-44-0	Fluoranthene	1.00	U
129-00-0	Pyrene	1.00	U
56-55-3	Benzo[a]anthracene	1.00	U
218-01-9	Chrysene	1.00	U
205-99-2	Benzo[b]fluoranthene	1.00	U
207-08-9	Benzo[k]fluoranthene	1.00	U
50-32-8	Benzo[a]pyrene	1.00	U
193-39-5	Indeno[1,2,3-cd]pyrene	1.00	U
53-70-3	Dibenz[a,h]anthracene	1.00	U
191-24-2	Benzo[g,h,i]perylene	1.00	U

W 12/18/02

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20408

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-001-025-1/1
Sample Volume :	30	Lab File ID :	M12173.D
% Moisture:	15.2	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/16/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.7	U

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU20508

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-002-026-1/1
Sample Volume :	30	Lab File ID :	M12174.D
% Moisture:	15.82	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/16/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	22	

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21606 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-007-031-1/1
Sample Volume :	30	Lab File ID :	M12190.D
% Moisture:	7.46	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	4800	

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21706 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-008-032-1/1
Sample Volume :	30	Lab File ID :	M12191.D
% Moisture:	7.58	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	7600	

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU21806 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-006-030-1/1
Sample Volume :	30	Lab File ID :	M12189.D
% Moisture:	12.36	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	3700	

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22006 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-004-028-1/1
Sample Volume :	30	Lab File ID :	M12188.D
% Moisture:	16.97	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	50
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	9000	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22106

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-005-029-1/1
Sample Volume :	30	Lab File ID :	M12187.D
% Moisture:	13.7	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.6	U

GPL Laboratories

FORM I
ANALYSIS DATA SHEET

SAMPLE NO
CEF-293-SU22206

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS, Inc.
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	211072
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	211072-003-027-1/1
Sample Volume :	30	Lab File ID :	M12186.D
% Moisture:	15.69	Date Received	11/13/2002
Extraction:	SW3550	Date Extracted:	11/14/2002
Extract Volume:	2 mL	Date Analyzed	11/18/2002
Injection Volume :	2 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
TPH	TPH	6.7	U

1B

TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU21606

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211072 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211072-007-035-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12334.D

Level: (low/med) LOW Date Received: 11/13/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

1B

TPH ANALYSIS DATA SHEET

EPA SAMPLE NO.

CEF-293-SU21706

Lab Name: GPL LABORATORIES Contract: TETRA TECH

Lab Code: GPLL Case No.: 211072 SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) WATER Lab Sample ID: 211072-008-036-1/1

Sample wt/vol: 200 (g/ml) ML Lab File ID: M12335.D

Level: (low/med) LOW Date Received: 11/13/02

% Moisture: _____ decanted:(Y/N) N Date Extracted: 11/27/02

Concentrated Extract Volume: 2000 (uL) Date Analyzed: 12/03/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/L	Q
	TPH	0.8	U

Concentration breakdown by approximate carbon number range (mg/Kg)

	C_8-C_{10}	C_{10}-C_{12}	C_{12}-C_{14}	C_{14}-C_{16}	C_{16}-C_{18}	C_{18}-C_{20}	C_{20}-C_{22}	C_{22}-C_{24}	C_{24}-C_{26}	C_{26}-C_{28}	C_{28}-C_{30}	C_{30}-C_{32}	C_{32}-C_{34}	C_{34}-C_{36}	>C_{36}
	Aliphatic														
CEF-293-SU20706	4.02	55.74	374.68	198.44	9.59	4.33	3.59	1.95	0.92	1.63	0.57	0.44	0.38	0.00	1.83
CEF-293-SU21606	437.58	2235.90	2391.68	724.11	74.19	47.74	17.35	4.60	1.75	2.25	1.86	2.97	0.75	0.00	1.98
CEF-293-SU21706	611.56	2740.43	3687.80	897.91	59.46	6.58	4.51	2.88	1.06	0.83	0.48	0.00	0.35	0.00	2.93
Blank Spike	7.94	7.35	10.09	19.10	7.76	11.59	5.63	4.55	6.23	4.11	0.25	3.46	0.22	3.03	0.50
	32%	59%	81%	153%	62%	46%	45%	36%	66%	33%	2%			24%	
CC M12666	271.018	290.029	306.401	304.214	298.914	285.714	299.989	294.936	302.578	307.208	299.816	299.219	287.348	259.2	462.571
	108%	116%	123%	122%	120%	114%	120%	118%	121%	123%	120%	120%	115%	104%	
CC M12675	262.148	258.194	258.118	257.891	252.699	270.832	250.88	241.366	241.772	245.158	243.567	245.315	246.352	233.357	435.625
	105%	103%	103%	103%	101%	108%	100%	97%	97%	98%	97%	98%	99%	93%	
CC M12684	285.597	281.065	281.301	281.32	275.277	287.568	273.383	263.964	263.302	266.974	266.159	268.414	268.664	251.141	460.363
	114%	112%	113%	113%	110%	115%	109%	106%	105%	107%	106%	107%	107%	100%	
	Aromatic														
CEF-293-SU20706	ND														
CEF-293-SU21606	50.68	19.73	29.76	38.54	2.49	2.18	3.00	11.09	0.45	0.39	0.24	0.00	0.00	0.00	1.29
CEF-293-SU21706	14.32	4.44	6.71	7.40	0.45	0.27	0.27	0.29	0.17	0.11	0.06	0.23	0.35	0.13	0.26
Blank Spike	26.03	1.70	2.22	18.44	3.67	7.83	10.82	0.86	9.91	1.03	13.40	1.32	12.05	0.26	0.50
	104%	2%	3%	37%	7%	10%	14%								
Aliphatic Spike	25	12.5	12.5	12.5	12.5	25	12.5	12.5	12.5	12.5	12.5	0	0	12.5	
Aromatic Spike	25	75	75	50	50	75	75	0	0	0	0	0	0	0	

PHASE IV LABORATORY ANALYTICAL DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**SEPTEMBER 30, 2003**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOA/PAH/TPH**
CTO 078, NAS CECIL FIELD
SDG F19331

SAMPLES: 5/Solid

CEF-293-SU-304-07*	CEF-293-SU-305-07	CEF-293-SU-306-07*
CEF-293-SU-307-06	CEF-293-SU-310-06	CEF-293-SU-311-06

OVERVIEW

The sample set for CTO 078 NAS Cecil Field, SDG F19331 consists of six (6) solid environmental samples. All samples except CEF-293-SU-305-07 were analyzed for select polynuclear aromatic hydrocarbons (PAHs) and all samples except CEF-293-SU-304-07 were analyzed for total petroleum hydrocarbons (TPH). Samples denoted with an asterisk (*) were analyzed for select volatile organic compounds (VOCs).

The samples were collected by TetraTech NUS on September 2, 2003 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8310, and modified 8015 (Florida-PRO) analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial/continuing calibrations
- * Laboratory method blank results
- * Field Duplicate Imprecision
- * Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

The text of this report is formatted to address only gross non-compliances resulting in the rejection of data and the elimination of false positives.

Volatiles

Sample CEF-293-SU-304-07 was analyzed at a medium level soil due to high concentrations of ethylbenzene and total xylenes. This accounts for the high reporting limits for the non-detected results. No action was taken on this basis.

PAHs

Sample CEF-293-SU-304-07 was analyzed at a dilution of 4X due to high concentrations of 1-methylnaphthalene, and 2-methylnaphthalene. Naphthalene was reported from the un-diluted run. No action was taken on this basis.

TPH

Samples CEF-293-SU-304-07, CEF-293-SU-305-07, and CEF-293-SU-307-06 were analyzed at dilutions of 40X, 20X, and 40X, respectively due to high concentrations of TPH. No action was taken on this basis.

Additional Comments:

The laboratory incorrectly reported the percent solids results for all samples in the EDD. The reviewer amended the database to reflect the percent solids reported on the Form Is.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Incorrectly reported percent solids in the EDD.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines IRCDQM (Sept., 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: F19331 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-304-07	nsample	CEF-293-SU-306-07
samp_date	9/2/2003	samp_date	9/2/2003
lab_id	F19331-6	lab_id	F19331-1
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	81.3	Pct_Solids	83.4
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	91	U	
ETHYLBENZENE	925		
TOLUENE	91	U	
TOTAL XYLENES	4140		

Parameter	Result	Val Qual	Qual Code
BENZENE	1.7	U	
ETHYLBENZENE	1.7	U	
TOLUENE	1.7	U	
TOTAL XYLENES	3.8	U	

PROJ_NO: 0039

SDG: F19331 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-304-07
samp_date	9/2/2003
lab_id	F19331-6
qc_type	NM
units	UG/KG
Pct_Solids	81.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	17500		
2-METHYLNAPHTHALENE	22000		
NAPHTHALENE	6690		

nsample	CEF-293-SU-306-07
samp_date	9/2/2003
lab_id	F19331-1
qc_type	NM
units	UG/KG
Pct_Solids	83.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	98	U	
2-METHYLNAPHTHALENE	98	U	
DIBENZO(A,H)ANTHRACENE	20	U	
NAPHTHALENE	98	U	

nsample	CEF-293-SU-307-06
samp_date	9/2/2003
lab_id	F19331-3
qc_type	NM
units	UG/KG
Pct_Solids	84.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1940		
2-METHYLNAPHTHALENE	1970		
NAPHTHALENE	986		

PROJ_NO: 0039

SDG: F19331 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-310-06	nsample	CEF-293-SU-311-06
samp_date	9/2/2003	samp_date	9/2/2003
lab_id	F19331-5	lab_id	F19331-4
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	74.3	Pct_Solids	82
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	110	U	
2-METHYLNAPHTHALENE	110	U	
NAPHTHALENE	110	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	99	U	
2-METHYLNAPHTHALENE	99	U	
NAPHTHALENE	99	U	

PROJ_NO: 0039

SDG: F19331 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-304-07	nsample	CEF-293-SU-305-07	nsample	CEF-293-SU-307-06
samp_date	9/2/2003	samp_date	9/2/2003	samp_date	9/2/2003
lab_id	F19331-6	lab_id	F19331-2	lab_id	F19331-3
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	81.3	Pct_Solids	80.4	Pct_Solids	84.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4280		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1860		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1600		

PROJ_NO: 0039

SDG: F19331 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-310-06	nsample	CEF-293-SU-311-06
samp_date	9/2/2003	samp_date	9/2/2003
lab_id	F19331-5	lab_id	F19331-4
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	74.3	Pct_Solids	82
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7.4	U	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.7	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-304-07		
Lab Sample ID:	F19331-6	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	SW846 8260B	**Percent Solids:**	81.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014210.D	1	09/04/03	NAF	n/a	n/a	VK602
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.74 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	230	91	ug/kg	
108-88-3	Toluene	ND	230	91	ug/kg	
100-41-4	Ethylbenzene	925	230	91	ug/kg	
1330-20-7	Xylene (total)	4140	680	210	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	97%		77-133%
17060-07-0	1,2-Dichloroethane-D4	96%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-306-07		
Lab Sample ID:	F19331-1	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	SW846 8260B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014209.D	1	09/04/03	NAF	n/a	n/a	VK602
Run #2							

	Initial Weight
Run #1	7.11 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.2	1.7	ug/kg	
108-88-3	Toluene	ND	4.2	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	4.2	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	13	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	112%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	89%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-304-07		
Lab Sample ID:	F19331-6	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	81.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA017164.D	1	09/05/03	MRE	09/04/03	OP8438	GAA822
Run #2 [a]	AA017171.D	4	09/08/03	MRE	09/04/03	OP8438	GAA823

	Initial Weight	Final Volume
Run #1	30.6 g	5.0 ml
Run #2	30.6 g	5.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	6690	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	17500 [b]	1600	400	ug/kg	
91-57-6	2-Methylnaphthalene	22000 [b]	1600	400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	183% [c]	197% [c]	38-139%
92-94-4	p-Terphenyl	107%	114%	46-149%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Result is from Run# 2
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-306-07		
Lab Sample ID:	F19331-1	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	83.4
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA017158.D	1	09/05/03	MRE	09/04/03	OP8438	GAA822
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	79	20	ug/kg	
91-20-3	Naphthalene	ND	390	98	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	98	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		38-139%
92-94-4	p-Terphenyl	107%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-307-06		
Lab Sample ID:	F19331-3	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA017161.D	1	09/05/03	MRE	09/04/03	OP8438	GAA822
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	986	390	99	ug/kg	
90-12-0	1-Methylnaphthalene	1940	390	99	ug/kg	
91-57-6	2-Methylnaphthalene	1970	390	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	129%		38-139%
92-94-4	p-Terphenyl	105%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-310-06		
Lab Sample ID:	F19331-5	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	74.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA017163.D	1	09/05/03	MRE	09/04/03	OP8438	GAA822
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	450	110	ug/kg	
90-12-0	1-Methylnaphthalene	ND	450	110	ug/kg	
91-57-6	2-Methylnaphthalene	ND	450	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		38-139%
92-94-4	p-Terphenyl	107%		46-149%

0 0020

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-311-06		
Lab Sample ID:	F19331-4	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	82.0
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA017162.D	1	09/05/03	MRE	09/04/03	OP8438	GA A822
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	400	99	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	99	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	110%		38-139%
92-94-4	p-Terphenyl	108%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-304-07		
Lab Sample ID:	F19331-6	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	81.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31470.D	40	09/05/03	SM	09/04/03	OP8435	GOP1058
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4280	410	280	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-305-07		
Lab Sample ID:	F19331-2	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	80.4
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31466.D	20	09/05/03	SM	09/04/03	OP8435	GOP1058
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1860	210	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	118%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-307-06		
Lab Sample ID:	F19331-3	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.2
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31467.D	40	09/05/03	SM	09/04/03	OP8435	GOP1058
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1600	400	270	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-310-06		
Lab Sample ID:	F19331-5	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	74.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31455.D	1	09/04/03	SM	09/04/03	OP8435	GOP1057
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	11	7.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-311-06		
Lab Sample ID:	F19331-4	**Date Sampled:**	09/02/03
Matrix:	SO - Soil	**Date Received:**	09/03/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.0
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31454.D	1	09/04/03	SM	09/04/03	OP8435	GOP1057
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.9	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. SPERANZA**	**DATE:**	**OCTOBER 8, 2003**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOA/PAH/TPH CTO 078, NAS CECIL FIELD SDG F19362**		
SAMPLES:	12/Solid		

CEF-293-SU-301-07	CEF-293-SU-302-07	CEF-293-SU-303-08*
CEF-293-SU-308-06&	CEF-293-SU-309-06&	CEF-293-SU-312-06*
CEF-293-SU-313-06*&	CEF-293-SU-314-06*&	CEF-293-SU-315-06*&
CEF-293-SU-316-06*&	CEF-293-SU-318-06*	CEF-293-SU-DUP-01*&

OVERVIEW

The sample set for CTO 078 NAS Cecil Field, SDG F19362 consists of twelve (12) solid environmental samples. All samples were analyzed for select polynuclear aromatic hydrocarbons (PAHs). Samples denoted with an asterisk (*) were analyzed for select volatile organic compounds (VOCs). Samples denoted with an ampersand (&) were analyzed for total petroleum hydrocarbons (TPH). One (1) field duplicate pair was included in this SDG: CEF-293-SU-DUP-01 / CEF-293-SU-313-06.

The samples were collected by TetraTech NUS on September 3 and 4, 2003 and analyzed by Accutest Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8310, and modified 8015 (Florida-PRO) analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- Data completeness
- * Holding times
- * Initial/continuing calibrations
- * Laboratory method blank results
- * Field Duplicate Imprecision
- * Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

The text of this report is formatted to address only gross non-compliances resulting in the rejection of data and the elimination of false positives.

Volatiles

Samples CEF-293-SU-303-08 and CEF-293-SU-316-06 were analyzed as medium level soils due to high concentrations of volatile compounds. This accounts for the elevated detection limits for the non-detected compounds in these samples. No action was taken on this basis.

Samples CEF-293-SU-313-06, CEF-293-SU-315-06, CEF-293-SU-318-06, and CEF-293-SU-DUP-01 were analyzed as medium level soils due to high concentrations of non-target analytes. This accounts for the high detection limits for all compounds in these samples. No action was taken on this basis.

PAHs

Samples CEF-293-SU-308-06, CEF-293-SU-309-06, and CEF-293-SU-316-06 were analyzed at dilutions of 4X, 4X, and 5X, respectively due to high concentrations of naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene. No action was taken on this basis.

TPH

Samples CEF-293-SU-308-06, CEF-293-SU-309-06, CEF-293-SU-313-06, CEF-293-SU-315-06, CEF-293-SU-316-06, and CEF-293-SU-DUP-01 were analyzed at dilutions of 100X or 200X due to high concentrations of TPH. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Incorrectly reported percent solids in the EDD.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines IRCDQM (Sept., 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Edward Sedlmyer
Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-303-08
samp_date	9/3/2003
lab_id	F19362-4
qc_type	NM
units	UG/KG
Pct_Solids	88.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	82	U	
ETHYLBENZENE	1080		
TOLUENE	82	U	
TOTAL XYLENES	5430		

nsample	CEF-293-SU-312-06
samp_date	9/3/2003
lab_id	F19362-11
qc_type	NM
units	UG/KG
Pct_Solids	80.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	1.7	U	
ETHYLBENZENE	1.7	U	
TOLUENE	1.7	U	
TOTAL XYLENES	3.9	U	

nsample	CEF-293-SU-313-06
samp_date	9/3/2003
lab_id	F19362-9
qc_type	NM
units	UG/KG
Pct_Solids	83.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	83	U	
ETHYLBENZENE	83	U	
TOLUENE	83	U	
TOTAL XYLENES	190	U	

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-314-06
samp_date	9/3/2003
lab_id	F19362-10
qc_type	NM
units	UG/KG
Pct_Solids	83.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	1.5	U	
ETHYLBENZENE	1.5	U	
TOLUENE	1.5	U	
TOTAL XYLENES	3.5	U	

nsample	CEF-293-SU-315-06
samp_date	9/3/2003
lab_id	F19362-8
qc_type	NM
units	UG/KG
Pct_Solids	82.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	83	U	
ETHYLBENZENE	83	U	
TOLUENE	83	U	
TOTAL XYLENES	190	U	

nsample	CEF-293-SU-316-06
samp_date	9/3/2003
lab_id	F19362-7
qc_type	NM
units	UG/KG
Pct_Solids	82.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	79	U	
ETHYLBENZENE	761		
TOLUENE	79	U	
TOTAL XYLENES	2040		

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: OV

nsample	CEF-293-SU-318-06	nsample	CEF-293-SU-DUP-01
samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-6	lab_id	F19362-12
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	80.2	Pct_Solids	84.6
DUP_OF:		DUP_OF:	CEF-293-SU-313-06

Parameter	Result	Val Qual	Qual Code
BENZENE	86	U	
ETHYLBENZENE	86	U	
TOLUENE	86	U	
TOTAL XYLENES	190	U	

Parameter	Result	Val Qual	Qual Code
BENZENE	90	U	
ETHYLBENZENE	90	U	
TOLUENE	90	U	
TOTAL XYLENES	200	U	

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-301-07	nsample	CEF-293-SU-302-07	nsample	CEF-293-SU-303-08
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-5	lab_id	F19362-3	lab_id	F19362-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.1	Pct_Solids	83.2	Pct_Solids	88.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	100	U	
2-METHYLNAPHTHALENE	100	U	
DIBENZO(A,H)ANTHRACENE	20	U	
NAPHTHALENE	100	U	

Parameter	Result	Val Qual	Qual Code
DIBENZO(A,H)ANTHRACENE	20	U	

Parameter	Result	Val Qual	Qual Code
DIBENZO(A,H)ANTHRACENE	19	U	

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-308-06	nsample	CEF-293-SU-309-06	nsample	CEF-293-SU-312-06
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-1	lab_id	F19362-2	lab_id	F19362-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	85.7	Pct_Solids	84.7	Pct_Solids	80.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	24600		
2-METHYLNAPHTHALENE	29900		
NAPHTHALENE	13000		

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	17100		
2-METHYLNAPHTHALENE	21200		
NAPHTHALENE	6550		

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	110	U	
2-METHYLNAPHTHALENE	110	U	
NAPHTHALENE	110	U	

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-313-06	nsample	CEF-293-SU-314-06	nsample	CEF-293-SU-315-06
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-9	lab_id	F19362-10	lab_id	F19362-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	83.7	Pct_Solids	83.3	Pct_Solids	82.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	99	U	
2-METHYLNAPHTHALENE	99	U	
NAPHTHALENE	99	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	100	U	
2-METHYLNAPHTHALENE	100	U	
NAPHTHALENE	100	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1040		
2-METHYLNAPHTHALENE	946		
NAPHTHALENE	353	J	P

10-8-03
JAJ

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PAH

nsample	CEF-293-SU-316-06	nsample	CEF-293-SU-318-06	nsample	CEF-293-SU-DUP-01
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-7	lab_id	F19362-6	lab_id	F19362-12
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	82.9	Pct_Solids	80.2	Pct_Solids	84.6
DUP_OF:		DUP_OF:		DUP_OF:	CEF-293-SU-313-06

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	30000		
2-METHYLNAPHTHALENE	36900		
NAPHTHALENE	16400		

Parameter	Result	Val Qual	Qual Code
DIBENZO(A,H)ANTHRACENE	21	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	98	U	
2-METHYLNAPHTHALENE	98	U	
NAPHTHALENE	98	U	

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-308-06	nsample	CEF-293-SU-309-06	nsample	CEF-293-SU-313-06
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-1	lab_id	F19362-2	lab_id	F19362-9
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	85.7	Pct_Solids	84.7	Pct_Solids	83.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	7940		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6620		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	10300		

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-314-06	nsample	CEF-293-SU-315-06	nsample	CEF-293-SU-316-06
samp_date	9/3/2003	samp_date	9/3/2003	samp_date	9/3/2003
lab_id	F19362-10	lab_id	F19362-8	lab_id	F19362-7
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	83.3	Pct_Solids	82.1	Pct_Solids	82.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	6.6	U	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	4280		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	9870		

PROJ_NO: 0039

SDG: F19362 MEDIA: SOIL DATA FRACTION: PET

nsample	CEF-293-SU-DUP-01
samp_date	9/3/2003
lab_id	F19362-12
qc_type	NM
units	MG/KG
Pct_Solids	84.6
DUP_OF:	CEF-293-SU-313-06

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	11500		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-303-08		
Lab Sample ID:	F19362-4	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	88.5
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014243.D	1	09/05/03	NAF	n/a	n/a	VK603
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.90 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	200	82	ug/kg	
108-88-3	Toluene	ND	200	82	ug/kg	
100-41-4	Ethylbenzene	1080	200	82	ug/kg	
1330-20-7	Xylene (total)	5430	610	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	105%		79-121%
460-00-4	4-Bromofluorobenzene	131%		77-133%
17060-07-0	1,2-Dichloroethane-D4	101%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-312-06		
Lab Sample ID:	F19362-11	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	80.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014253.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight
Run #1	7.10 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.4	1.7	ug/kg	
108-88-3	Toluene	ND	4.4	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	4.4	1.7	ug/kg	
1330-20-7	Xylene (total)	ND	13	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	105%		79-121%
460-00-4	4-Bromofluorobenzene	113%		77-133%
17060-07-0	1,2-Dichloroethane-D4	88%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-313-06		
Lab Sample ID:	F19362-9	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K014257.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.24 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	210	83	ug/kg	
108-88-3	Toluene	ND	210	83	ug/kg	
100-41-4	Ethylbenzene	ND	210	83	ug/kg	
1330-20-7	Xylene (total)	ND	620	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	102%		79-121%
460-00-4	4-Bromofluorobenzene	94%		77-133%
17060-07-0	1,2-Dichloroethane-D4	90%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-314-06		
Lab Sample ID:	F19362-10	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	83.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014231.D	1	09/05/03	NAF	n/a	n/a	VK603
Run #2							

	Initial Weight
Run #1	7.79 g
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	3.9	1.5	ug/kg	
108-88-3	Toluene	ND	3.9	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	3.9	1.5	ug/kg	
1330-20-7	Xylene (total)	ND	12	3.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	110%		79-121%
460-00-4	4-Bromofluorobenzene	105%		77-133%
17060-07-0	1,2-Dichloroethane-D4	95%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-315-06		
Lab Sample ID:	F19362-8	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K014256.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.31 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	210	83	ug/kg	
108-88-3	Toluene	ND	210	83	ug/kg	
100-41-4	Ethylbenzene	ND	210	83	ug/kg	
1330-20-7	Xylene (total)	ND	620	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	108%		77-133%
17060-07-0	1,2-Dichloroethane-D4	94%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-316-06		
Lab Sample ID:	F19362-7	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K014255.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.67 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	200	79	ug/kg	
108-88-3	Toluene	ND	200	79	ug/kg	
100-41-4	Ethylbenzene	761	200	79	ug/kg	
1330-20-7	Xylene (total)	2040	590	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
2037-26-5	Toluene-D8	103%		79-121%
460-00-4	4-Bromofluorobenzene	104%		77-133%
17060-07-0	1,2-Dichloroethane-D4	93%		72-133%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-318-06		
Lab Sample ID:	F19362-6	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K014254.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.29 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	210	86	ug/kg	
108-88-3	Toluene	ND	210	86	ug/kg	
100-41-4	Ethylbenzene	ND	210	86	ug/kg	
1330-20-7	Xylene (total)	ND	640	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	101%		79-121%
460-00-4	4-Bromofluorobenzene	99%		77-133%
17060-07-0	1,2-Dichloroethane-D4	92%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-DUP-01		
Lab Sample ID:	F19362-12	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	SW846 8260B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	K014258.D	1	09/08/03	NAF	n/a	n/a	VK604
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.59 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	220	90	ug/kg	
108-88-3	Toluene	ND	220	90	ug/kg	
100-41-4	Ethylbenzene	ND	220	90	ug/kg	
1330-20-7	Xylene (total)	ND	670	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	102%		79-121%
460-00-4	4-Bromofluorobenzene	94%		77-133%
17060-07-0	1,2-Dichloroethane-D4	91%		72-133%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-301-07		
Lab Sample ID:	F19362-5	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.1
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017633.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	80	20	ug/kg	
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		38-139%
92-94-4	p-Terphenyl	97%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-302-07		
Lab Sample ID:	F19362-3	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	83.2
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017631.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	78	20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		38-139%
92-94-4	p-Terphenyl	83%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-303-08		
Lab Sample ID:	F19362-4	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	88.5
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017632.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	75	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	151% [a]		38-139%
92-94-4	p-Terphenyl	93%		46-149%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-308-06		
Lab Sample ID:	F19362-1	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE017629.D	4	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	13000	1500	390	ug/kg	
90-12-0	1-Methylnaphthalene	24600	1500	390	ug/kg	
91-57-6	2-Methylnaphthalene	29900	1500	390	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	226% [b]		38-139%
92-94-4	p-Terphenyl	103%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-309-06		
Lab Sample ID:	F19362-2	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE017630.D	4	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	6550	1500	380	ug/kg	
90-12-0	1-Methylnaphthalene	17100	1500	380	ug/kg	
91-57-6	2-Methylnaphthalene	21200	1500	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	211% [b]		38-139%
92-94-4	p-Terphenyl	111%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-312-06		
Lab Sample ID:	F19362-11	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	80.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017642.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	420	110	ug/kg	
90-12-0	1-Methylnaphthalene	ND	420	110	ug/kg	
91-57-6	2-Methylnaphthalene	ND	420	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		38-139%
92-94-4	p-Terphenyl	98%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-313-06		
Lab Sample ID:	F19362-9	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE017674.D	1	09/09/03	MRE	09/05/03	OP8454	GEE744
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	400	99	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	99	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	132%		38-139%
92-94-4	p-Terphenyl	98%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-314-06		
Lab Sample ID:	F19362-10	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	83.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017641.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	400	100	ug/kg	
90-12-0	1-Methylnaphthalene	ND	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		38-139%
92-94-4	p-Terphenyl	96%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-315-06		
Lab Sample ID:	F19362-8	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE017673.D	1	09/09/03	MRE	09/05/03	OP8454	GEE744
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	353	400	100	ug/kg	J
90-12-0	1-Methylnaphthalene	1040	400	100	ug/kg	
91-57-6	2-Methylnaphthalene	946	400	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	125%		38-139%
92-94-4	p-Terphenyl	96%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-316-06		
Lab Sample ID:	F19362-7	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE017635.D	5	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	16400	2000	500	ug/kg	
90-12-0	1-Methylnaphthalene	30000	2000	500	ug/kg	
91-57-6	2-Methylnaphthalene	36900	2000	500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	239% [b]		38-139%
92-94-4	p-Terphenyl	102%		46-149%

(a) All hits confirmed by spectral match using a diode array detector.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-318-06		
Lab Sample ID:	F19362-6	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	80.2
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017634.D	1	09/08/03	MRE	09/05/03	OP8454	GEE743
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	83	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	127%		38-139%
92-94-4	p-Terphenyl	81%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-DUP-01		
Lab Sample ID:	F19362-12	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	EPA 8310 SW846 3550B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE017677.D	1	09/09/03	MRE	09/05/03	OP8454	GEE744
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	5.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	390	98	ug/kg	
90-12-0	1-Methylnaphthalene	ND	390	98	ug/kg	
91-57-6	2-Methylnaphthalene	ND	390	98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	139%		38-139%
92-94-4	p-Terphenyl	98%		46-149%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-308-06		
Lab Sample ID:	F19362-1	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	85.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31536.D	200	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	7940	1900	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-309-06		
Lab Sample ID:	F19362-2	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31537.D	100	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	6620	960	660	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-313-06		
Lab Sample ID:	F19362-9	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.7
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31540.D	200	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	10300	1900	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-314-06		
Lab Sample ID:	F19362-10	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	83.3
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31506.D	1	09/08/03	SM	09/05/03	OP8453	GOP1059
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	9.8	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		57-127%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-315-06		
Lab Sample ID:	F19362-8	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.1
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31539.D	100	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4280	1000	680	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-316-06		
Lab Sample ID:	F19362-7	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	82.9
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31538.D	200	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	9870	2000	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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 Laboratories

Report of Analysis

Client Sample ID:	CEF-293-SU-DUP-01		
Lab Sample ID:	F19362-12	**Date Sampled:**	09/03/03
Matrix:	SO - Soil	**Date Received:**	09/05/03
Method:	FLORIDA-PRO SW846 3550B	**Percent Solids:**	84.6
Project:	NAS Cecil Field-Day Tank 1		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP31543.D	200	09/09/03	SM	09/05/03	OP8453	GOP1060
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	11500	2000	1300	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		57-127%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

APPENDIX C

TPHCWG SUBCLASSIFICATION PERCENTAGES

CONCENTRATIONS IN EACH SUBCLASSIFICATION
TPHCWG RESULTS
DAY TANK 1
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Sample No.	Regulated Fraction	CEF-293-SU-207-06	Total of regulated fraction	Percentage of total	CEF-293-SU-216-06	Total of regulated fraction	Percentage of total	CEF-293-SU-217-06	Total of regulated fraction	Percentage of total
TPH, mg/kg										
TRPH	-	1500	-		4800	-		7600	-	
Aromatics, mg/kg										
C8 – C10 Aromatic	C8 – C10 Aromatic	0	0	0	50.68	50.68	**0.8**	14.32	14.32	0.2
C10 – C12 Aromatic	C10 – C12 Aromatic	0	0	0	19.73	19.73	**0.3**	4.44	4.44	0.1
C12 – C14 Aromatic	-	0	-		29.76	-		6.71	-	
C14 – C16 Aromatic	C12 – C16 Aromatic	0	0	0	36.54	66.3	**1.1**	7.4	14.11	0.2
C16 – C18 Aromatic	-	0	-		2.49	-		0.45	-	
C18 – C20 Aromatic	-	0	-		2.18	-		0.27	-	
C20 – C22 Aromatic	C16 – C21 Aromatic	0	0	0	3	6.17	**0.1**	0.27	0.855	0.0
C22 – C24 Aromatic	-	0	-		11.09	-		0.29	-	
C24 – C26 Aromatic	-	0	-		0.45	-		0.17	-	
C26 – C28 Aromatic	-	0	-		0.39	-		0.11	-	
C28 – C30 Aromatic	-	0	-		0.24	-		0.06	-	
C30 – C32 Aromatic	-	0	-		0	-		0.23	-	
C32 – C34 Aromatic	-	0	-		0	-		0.35	-	
C34 – C36 Aromatic	C21 – C35 Aromatic	0	0	0	0	13.67	**0.2**	0.13	1.41	0.0
C36+ Aromatic	-	0	0	0	1.29	1.29	0.02	0.26	0.26	0.00
Aliphatics, mg/kg										
C8 – C10 Aliphatic	C8 – C10 Aliphatic	4.02	4.02	0.6	437.58	437.58	7.2	611.56	611.56	**7.6**
C10 – C12 Aliphatic	C10 – C12 Aliphatic	55.74	55.74	8.5	2235.9	2235.9	**36.6**	2740.43	2740.43	34.0
C12 – C14 Aliphatic	-	374.68	-		2391.68	-		3687.8	-	
C14 – C16 Aliphatic	C12 – C16 Aliphatic	198.44	573.12	87.1	724.11	3115.79	51.1	897.91	4585.71	**56.9**
C16 – C18 Aliphatic	-	9.59	-		74.19	-		59.46	-	
C18 – C20 Aliphatic	-	4.33	-		47.74	-		6.58	-	
C20 – C22 Aliphatic	-	3.59	-		17.35	-		4.51	-	
C22 – C24 Aliphatic	-	1.95	-		4.6	-		2.88	-	
C24 – C26 Aliphatic	-	0.92	-		1.75	-		1.06	-	
C26 – C28 Aliphatic	-	1.63	-		2.25	-		0.83	-	
C28 – C30 Aliphatic	-	0.57	-		1.86	-		0.48	-	
C30 – C32 Aliphatic	-	0.44	-		2.97	-		0	-	
C32 – C34 Aliphatic	-	0.38	-		0.75	-		0.35	-	
C34 – C36 Aliphatic	C16 – C35 Aliphatic	0	23.4	3.6	0	153.46	**2.5**	0	76.15	0.9
C36+ Aliphatic	-	1.83	1.83	0.3	1.98	1.98	0.03	2.93	2.93	0.04
Sum			658.11			6102.55			8052.175	

CONCENTRATIONS IN EACH SUBCLASSIFICATION
TPHCWG RESULTS
DAY TANK 1
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Sample No.	Regulated Fraction	Maximum Normalized percentage	Concentration if TRPH = 21,500	Residential Criteria (Note 2)	Industrial Criteria (Note 2)	Leachability Criteria (Note 2)	Residential Criteria/max percentage
TPH, mg/kg							
TRPH	-			340	2500	340	
Aromatics, mg/kg							
C8 – C10 Aromatic	C8 – C10 Aromatic	0.8	179	340	2500	340	40,941
C10 – C12 Aromatic	C10 – C12 Aromatic	0.3	70	690	5400	520	213,419
C12 – C14 Aromatic	-			-	-	-	
C14 – C16 Aromatic	C12 – C16 Aromatic	1.1	234	1200	11000	1000	110,453
C16 – C18 Aromatic	-			-	-	-	
C18 – C20 Aromatic	-			-	-	-	
C20 – C22 Aromatic	C16 – C21 Aromatic	0.1	22	1300	14000	3200	1,285,788
C22 – C24 Aromatic	-			-	-	-	
C24 – C26 Aromatic	-			-	-	-	
C26 – C28 Aromatic	-			-	-	-	
C28 – C30 Aromatic	-			-	-	-	
C30 – C32 Aromatic	-			-	-	-	
C32 – C34 Aromatic	-			-	-	-	
C34 – C36 Aromatic	C21 – C35 Aromatic	0.2	48	2200	40000	25000	982,122
C36+ Aromatic	-			-	-	-	
Aliphatics, mg/kg							
C8 – C10 Aliphatic	C8 – C10 Aliphatic	7.6	1633	630	4400	7000	8,295
C10 – C12 Aliphatic	C10 – C12 Aliphatic	36.6	7877	1300	9400	51000	3,548
C12 – C14 Aliphatic	-			-	-	-	
C14 – C16 Aliphatic	C12 – C16 Aliphatic	87.1	18723	2300	19000	1000000	**2,641**
C16 – C18 Aliphatic	-			-	-	-	
C18 – C20 Aliphatic	-			-	-	-	
C20 – C22 Aliphatic	-			-	-	-	
C22 – C24 Aliphatic	-			-	-	-	
C24 – C26 Aliphatic	-			-	-	-	
C26 – C28 Aliphatic	-			-	-	-	
C28 – C30 Aliphatic	-			-	-	-	
C30 – C32 Aliphatic	-			-	-	-	
C32 – C34 Aliphatic	-			-	-	-	
C34 – C36 Aliphatic	C16 – C35 Aliphatic	3.6	764	32000	250000	1000000	899,979
C36+ Aliphatic	-	0.28	60	-	-	-	

Sum

CONCENTRATIONS IN EACH SUBCLASSIFICATION
TPHCWG RESULTS
DAY TANK 1
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

NOTES:

1. Where the regulated fraction range included an odd-numbered carbon chain length midway between the range, 50% of the concentration was used to calculate the total.
2. Percentage of total is based on the measured fractions of aromatics plus aliphatics, not the TRPH.

Tetra Tech NUS			STANDARD CALCULATION SHEET
CLIENT: SOUTHDIV – NAS Cecil Field	FILE No:N0039	BY: JWL	PAGE: 1 of 1
SUBJECT: Day Tank 1 – Site-Specific Residential TRPH SCTL		CHECKED BY:	DATE: 8/29/03

The site-specific Residential TRPH SCTL can be back-calculated on this basis:

$(frac_i) \times (C_{TRPH}) = C_i$

where:

$frac_i$ is the maximum fraction of subclassification i in the TRPH, from Table 3-7 and Appendix C of the SARA.

C_{TRPH} is the concentration of TRPH.

C_i is the concentration of subclassification i.

C_i would then be compared to the subclassification SCTL of i, also listed on Table 3-7 and Appendix C.

By trial and error of the substitution of different values of C_{TRPH}, the individual C_i values would be compared to the respective subclassification SCTLs until all C_i values are less than the respective individual subclassification SCTLs.

Alternatively, the site-specific Residential TRPH SCTL can be calculated directly by first dividing each individual subclassification i SCTL by the $frac_i$ and then choosing the lowest value as the site-specific Residential TRPH SCTL. This calculation is in one of the right-hand columns in Appendix C, in the column labeled "Residential Criteria/max percentage" (The formula in the column adjusts percentage to fraction.). In this case, the C14 – C16 Aliphatic subclassification has the lowest value, 2,641 mg/kg. After rounding and allowing a little conservativeness, the site-specific Residential TRPH SCTL is 2,500 mg/kg.

APPENDIX D

COST ESTIMATE

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
DAY TANK 1
ALTERNATIVE 4: EXCAVATE ALL AREAS/DEMOLISH BUILDING - RESIDENTIAL
CAPITAL COST

				Unit Cost			Extended Cost				
Item	Quantity	Unit	Subcontract	Material	Labor	Equipment	Subcontract	Material	Labor	Equipment	Subtotal
1 PROJECT PLANNING AND MOBILIZATION/DEMOBILIZATION											
1.1 Prepare Monitoring Plan	20	hr			$30.00		$0	$0	$600	$0	$600
1.2 Prepare Remedial Action Plan	50	hr			$30.00		$0	$0	$1,500	$0	$1,500
1.3 Equipment Mobilization/Demobilization	8	ea			$50.00	$176.00	$0	$0	$400	$1,408	$1,808
2 DECONTAMINATION											
2.1 Equipment Decon Pad	1	ls		$5,800.00	$6,650.00	$700.00	$0	$5,800	$6,650	$700	$13,150
2.2 Decontamination Services	2	mo	$2,200.00				$4,400	$0	$0	$0	$4,400
2.3 Decon Water	2,000	gal	$0.20				$400	$0	$0	$0	$400
2.4 Decon Water Storage Tank, 6,000 gallon	2	mo	$600.00				$1,200	$0	$0	$0	$1,200
2.5 Clean Water Storage Tank, 4,000 gallon	2	mo	$540.00				$1,080	$0	$0	$0	$1,080
2.6 Disposal of Decon Waste (liquid & solid)	2	mo	$900.00				$1,800	$0	$0	$0	$1,800
2.7 PPE (5 p * 5 days * 8 weeks)	200	day		$31.67			$0	$6,334	$0	$0	$6,334
3 BUILDING DEMOLITION/PAVEMENT REMOVAL											
3.1 Remove Building 846	1	ls	$12,385.00				$12,385	$0	$0	$0	$12,385
3.2 Demo Concrete Floor	652	sy		$5.35	$4.35		$0	$3,488	$2,836	$0	$6,324
3.3 Cut Asphalt, 2" thick	355	lf		$0.25	$0.41	$0.29	$0	$89	$146	$103	$337
4 EXCAVATE SOILS											
4.1 Protection/Support: Sanitary Force Main	1	ls		$700.00	$1,350.00		$0	$700	$1,350	$0	$2,050
4.2 Clean Soil Excavation, 80 hp backhoe	6	day			$472.00	$215.60	$0	$0	$2,832	$1,294	$4,126
4.3 Contaminated Soil Excavation, 80 hp backhoe	20	day			$472.00	$215.60	$0	$0	$9,440	$4,312	$13,752
5 CONTAMINATED SOIL DISPOSAL											
5.1 Waste Characterization Testing (TCLP),1 per 1000 cy	4	ea	$820.00				$3,280	$0	$0	$0	$3,280
5.2 Non-Haz Transportation and Off-Site Disposal of Soil	3,285	cy	$40.00				$131,400	$0	$0	$0	$131,400
5.3 Transportation and Off-Site Disposal of Concrete/Asph	108	cy	$35.00				$3,780	$0	$0	$0	$3,780
6 SITE RESTORATION											
6.1 Import Clean Backfill	3,285	cy		$8.75			$0	$28,744	$0	$0	$28,744
6.2 Place, Grade, Compact Backfill	5,419	cy			$2.99	$1.41	$0	$0	$16,203	$7,641	$23,844
6.3 Topsoil Excavated Areas	100	cy		$17.87	$3.63	$3.31	$0	$1,787	$363	$331	$2,481
6.4 Vegetation Topsoil Areas	495	sy		$0.26	$1.16	$0.18	$0	$129	$574	$89	$792
6.5 Stone Base, 6" thick	1,403	sy		$3.04	$0.23	$0.50	$0	$4,265	$323	$702	$5,289
6.6 Asphalt Replacement, 2" thick	1,403	sy		$3.17	$13.25	$1.30	$0	$4,448	$18,590	$1,824	$24,861
6.7 Reinstall Vapor Extraction Piping	250	ft		$3.77	$1.98		$0	$943	$495	$0	$1,438
6.8 Reinstall Vapor Extraction Well (5 wells)	75	lf	$30.00				$2,250	$0	$0	$0	$2,250
7 DRAIN BASIN											
7.1 Sample & Analyze Water	1	ls	$500.00	$120.00			$500	$120	$0	$0	$620
7.2 Drain Basin, 2" diaphragm pump	3	day			$86.00	$35.00	$0	$0	$258	$105	$363
7.3 Modify Catch Basin	1	ls		$300.00	$587.00	$320.00	$0	$300	$587	$320	$1,207
7.4 Breach Basin Lining, 80 hp backhoe	2	day			$472.00	$215.60	$0	$0	$944	$431	$1,375
8 MISCELLANEOUS											
8.1 Construction Oversite (3p*5 days*9 weeks)	45	days			$408.00		$0	$0	$18,360	$0	$18,360
8.2 Post Construction Documents	100	hr			$30.00		$0	$0	$3,000	$0	$3,000
Subtotal							$162,475	$57,146	$85,450	$19,259	$324,330
Local Area Adjustments							100.0%	118.6%	87.3%	87.3%	
							$162,475	$67,775	$74,598	$16,813	$321,661

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
DAY TANK 1
ALTERNATIVE 4: EXCAVATE ALL AREAS/DEMOLISH BUILDING - RESIDENTIAL
CAPITAL COST

Item	Quantity	Unit	Unit Cost Subcontract	Unit Cost Material	Unit Cost Labor	Unit Cost Equipment	Extended Cost Subcontract	Extended Cost Material	Extended Cost Labor	Extended Cost Equipment	Subtotal
Overhead on Labor Cost @	30%								$22,379		$22,379
G & A on Labor Cost @	10%								$7,460		$7,460
G & A on Material Cost @	10%							$6,777			$6,777
G & A on Subcontract Cost @	10%						$16,248				$16,248
Total Direct Cost							$178,723	$74,552	$104,437	$16,813	$374,525
Indirects on Total Direct Cost @	30%	(excluding building demo & disposal cost)									$68,088
Profit on Total Direct Cost @	10%										$37,452
Subtotal											$480,065
Health & Safety Monitoring @	2%										$9,601
Contingency on Subtotal Cost @	10%										$48,007
Engineering on Subtotal Cost @	0%										$0
TOTAL COST											**$537,673**